

VOLUME 040 MACHINE 4341- 0015871 MODEL M02 SYSTEM 0018167 MODE SCHED SHIP 82/09/17

LOGIC TYPE -0- SYSTEMS DIAGRAMS

DOC COUNTER 04

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YA012		BOARD	0000379002	873594	.W. 0000174698
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YA653		BLOCK	0000379019	873594	.W. 0000174698
YA655		O1A GATE BLOCK	0000379020	873596	.W. 0000174698
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YA662		POWER SYSTEM	0000379023	873593	.W. 0000174698
YA663		O1A-A1 BOARD	0000379024	873593	.W. 0000174698
YA664		O1A-A2 BOARD	0000379025	873593	.W. 0000174698
YA665		O1A B1 BOARD	0000379026	873596	.W. 0000174698
YA667		O1A B2 BOARD	0000379027	873596	.W. 0000174698
YA669		O1A C1 BOARD	0000379028	873596	.W. 0000174698
YA671		ANALOG SENSOR	0000379029	873594	.W. 0000174698
YA680		POWER SYSTEM	0000379030	873593	.W. 0000174698
YA682		POWER SYSTEM	0000379031	873594	.W. 0000174698
YA684		POWER SYSTEM	0000379032	873593	.W. 0000174698
YA685		POWER SYSTEM	0000379033	873593	.W. 0000174698
YA686		POWER SYSTEM	0000379034	873593	.W. 0000174698
YA688		INT POWER SYSTEM	0000379035	873593	.W. 0000174698
YA701		POWER SYSTEM	0000379036	873593	.W. 0000174698
YA711		HWS POWER EMC	0000379037	873594	.W. 0000174698
YA713		HWS OCP EMC	0000379038	873594	.W. 0000174698
YA715		HWS CE PANEL	0000379039	873593	.W. 0000174698
YA717		HWS PWR CONTROLLER	0000379040	873594	.W. 0000174698
YA719		BOARD O1A-D2	0000379041	873594	.W. 0000174698
YA721		HWS O1A-D2D2	0000379042	873593	.W. 0000174698
YA723		HWS O1A-D2D2	0000379043	873593	.W. 0000174698
YA725		HWS O1A-D2D2	0000379044	873593	.W. 0000174698
YA727		HWS O1A-D2D2	0000379045	873593	.W. 0000174698
YA731		HWS VOLT CARD	0000379046	873593	.W. 0000174698
YA735		CARD O1A-D2B2	0000379047	873593	.W. 0000174698
YA737		HWS O1A-D2B2	0000379048	873593	.W. 0000174698
YA741		HWS O1A-D2E2	0000379049	873593	.W. 0000174698
YA745		HWS O1A-D2E2	0000379050	873593	.W. 0000174698
YA747		HWS O1A-D2E2	0000379051	873593	.W. 0000174698
YA751		HWS O1A-D2C4	0000379052	873593	.W. 0000174698
YA755		HWS O1A-D2C4	0000379053	873593	.W. 0000174698
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YA761		HWS O1A-D2C2	0000379055	873593	.W. 0000174698
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YA771		HWS O1A-D2E4	0000379058	873594	.W. 0000174698
YA775		HWS O1A-D2E4	0000379059	873593	.W. 0000174698
YA781		CE PANEL	0000379060	873593	.W. 0000174698
YA785		CONSOL PANEL	0000379061	873594	.W. 0000174698
YA811		STANDARD PWR PANEL	0000379062	873593	.W. 0000174698
YA821		SPI PANEL CU8	0000379063	873593	.W. 0000174698
YA823		SPI PANEL	0000379064	873593	.W. 0000174698
YA825		STANDARD PWR IFACE	0000379065	873593	.W. 0000174698
YA827		STANDARD PWR IFACE	0000379066	873593	.W. 0000174698
YA829		STANDARD PWR IFACE	0000379067	873593	.W. 0000174698
YA831		STANDARD PWR IFACE	0000379068	873593	.W. 0000174698
YA951		EC 873594	0000379069	873594	.W. 0000174698
YA981		INTER PWR CTRL CHNL	0000379070	873593	.W. 0000174698
YA983		INTER PWR CTRL UNITS	0000379071	873593	.W. 0000174698
YA985		INTER PWR CTRL CHNL	0000379072	873593	.W. 0000174698
YA987		INTER PWR CTRL CHNL	0000379073	873593	.W. 0000174698
YA989		INTER PWR CTRL CHNL	0000379074	873593	.W. 0000174698
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YF101		INTERCONNECTIONS	0000379076	873596	.W. 0000174698
YF111		INTERCONNECTIONS	0000379077	873596	.W. 0000174698
YF121		INTERCONNECTIONS	0000379078	873596	.W. 0000174698
YF131		INTERCONNECTIONS	0000379079	873596	.W. 0000174698
YF141		INTERCONNECTIONS	0000379080	873596	.W. 0000174698
YF151		INTERCONNECTIONS	0000379081	873596	.W. 0000174698
YF161		INTERCONNECTIONS	0000379082	873596	.W. 0000174698
YF171		INTERCONNECTIONS	0000379083	873596	.W. 0000174698

COMPONENT	DESCRIPTION	PAGE LOCATION
AFS 102		YAA18
AFS 103		YAA18
AFS 200		YAA18
AFS 301		YAA18
AFS 301	CTCA	YAA18
AFS 302	CTCA	YAA18
A15 101		YAA18
AMD 102		YAA18
AMD 103		YAA18
AMD 200		YAA18
AMD 301		YAA18
AMD 301	CTCA	YAA18
ADS 101	CTCA	YAA18
ADS 102		YAA18
ADS 103		YAA18

COMPONENT	DESCRIPTION	PAGE LOCATION
C201		YA604
K402		YA604
K403		YA623
CAP PACK		YA623
CAP PACK	+4.25V	YA623
CAP PACK	-1.25V	YA623
CAP PACK	-4.25V	YA623
CAP PACK	-2.25V	YA623
CAP PACK	+1.25V	YA627
CAP PACK	-3V	YA657
CB 1		YA411
CB 2		YA411
CE REY		YA421
CE PANEL		YA781
CHN 9		YA413
CHN 10		YA413
CHN 20		YA415
3CH-AB		YA417

COMPONENT	DESCRIPTION	PAGE LOCATION
EMC CORE		YA41
HARDWARE SEQUENCE CARD	01A-D2-B2	YA43
HARDWARE SEQUENCE CARD	01A-D4-K4	YA45
HARDWARE SEQUENCE CARD	01A-D4-K4	YA45
HARDWARE SEQUENCE CARD	01A-D4-K4	YA45
HARDWARE SEQUENCE CARD	01A-D4-K4	YA45
HARDWARE SEQUENCE CARD	01A-D4-K4	YA45
HARDWARE SEQUENCE CARD	01A-D2-E4	YA71
PS SWITCH		YA60
PS CONTROL CARD	+1-25V	YA66
PS POWER MODULE	+1-3V	YA66
PS POWER MODULE	+1-25V	YA66
S01	CONTACTS	YA41
S02	COIL	YA41
S03	CONTACTS	YA41
S03	COIL	YA41
S03	CONTACTS	YA41

D	COMPONENT	DESCRIPTION	PAGE LOCATION
K03		COIL	YA415
K04		CONTACTS	YA411
K04		COIL	YA415
DCL			YA785
PFCK	LINE FILTER PHI		YA41
PFCK	LINE FILTER PHI		YA42
PFCK	LINE FILTER PHI		YA43
PFCK	LINE FILTER NEUT		YA44
PFEL			YA45
PWR-ON IND			YA46
ZD2101		PART 1	YA47
ZD2102		PART 2	YA48
ZD2103			YA500
ZD2104			YA503
ZD2105			YA505
ZD2106			YA506
ZD2107			YA507
ZD2108			YA508
OP-A6			

COMPONENT	DESCRIPTION	PAGE LOCATION
TR101		YA601
TR104		YA603
TR107		YA621
TR216	60HZ	YA604
TR301		YA609
XIA-A1	BOARD PSEUDO BLOCK	YA663
XIA-B2	BOARD PSEUDO BLOCK	YA664
XIA-B3	BOARD PSEUDO BLOCK	YA665
XIA-B4	BOARD PSEUDO BLOCK	YA666
XIA-X1	BOARD PSEUDO BLOCK	YA671
	CTCA	
	CTCA	

COMMENTS

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FRU LOCATION	
C=	
N 00002	PRI=20AUG81 0935
C=	SEC
URM=KSEC	NEXTBLK AJ
D CDPHCR	JOB BP@PWRCR

PCC BOX FRUS				
COMPONENT	FUNCTION	P/N 50 HZ WITH INTERRUPT	P/N 50 HZ WITHOUT INTERNAL INTERRUPT	P/N 60 HZ
CB1	MAINLINE MSS	4109298	4120541	5214256
K2	MAINLINE LOGIC CONV-OUTLET UEPD	2230351	2242321	3521331
K3	MSS SYSTEM	5273701	5273701	5273701
K4	BLOWERS	2242321	2242321	2242321
K5	LOGIC POWER	5261149	2561149	2128749
CP1	CONV-OUTLET 1POLE CONV-OUTLET 2POLE	2676638	2676638	2571136

POWER SUPPLY FRUS			
COMPONENT	FUNCTION	50 HZ	60 HZ
TR101	HSS/SPI/DSK DRV	8482681	8482691
TR104	HSS/LCA	1310290	1310280
TR107	CON-OUTLET	5234243	5234243
TR206	120V-24V BIAS	4117892	4122328
TR201	CBA	6381329	6381329
TR204	HSS/LCA	8482680	8482680
TR240	HSS/SPI/DSK DRV	8482680	8482680
TR240	120V-24V BIAS	6381328	6381328
TR241	A1/A2/B1/C1 BRD	2271400	2271400
TR242	A1/A2/B1/C1 BRD	2271401	2271401
TR242	A1/C1 BRD	2271402	2271402
TR243	A2/C1 BRD	2271410	2271410
PS215	AC/DC CONVERTER	2571425	2571425
PS215	15V-24V TO REG	2532500	2532500
PS301	CTCA	4151669	4151669

LINE VOLTAGE CONVERSION TABLE - 50 HZ						
COMPONENT	COMMON	200	220/300	400	415	REF. PAGE
TR101	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA601
TR104	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA603
TR201	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA609

EXAMPLE

WHEN CONVERTING TR101 FROM 200V 50HZ TO 415V 50HZ MOVE WIRE FROM TR101 TB01 - 2 TO TR101 TB10 - 5
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LINE VOLTAGE CONVERSION TABLE - 60 HZ						
COMPONENT	COMMON	200	208	220	240	REF. PAGE
TR101	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA601
TR104	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA603
TR201	TB01-1	TB01-2	TB01-3	TB01-4	TB01-5	YA609

50 / 60 HZ WYE / DELTA CONVERSION TABLE		
WYE JUMPER CONFIGURATION	DELTA JUMPER CONFIGURATION	REF. PAGE
380V 400V AND 415V 50HZ	200V AND 220V 50HZ	
	200V, 208V, 220V AND 240V 60HZ	
PCC TB02-4 TO PCC TB02-5	PCC TB02-1 TO PCC TB02-5	YA411
PCC TB02-5 TO PCC TB02-4	PCC TB02-2 TO PCC TB02-5	YA411
PCC TB02-6 TO PCC TB02-7	PCC TB02-3 TO PCC TB02-7	YA411

LINE VOLTAGE CONVERSION TABLE FOR TB205 IF CTCA INSTALLED		
REFERENCE ALD PAGE YA604 AND ALD PAGE YA609		
FOR ALL VOLTAGES	CONNECT TB205 - 1 TO TR301 CON1 - 1	
FOR ALL 50HZ VOLTAGES	CONNECT TB205 - 2 TO TR301 CON1 - 2	
FOR ALL 60HZ VOLTAGES	CONNECT TB205 - 2 TO TR301 CON1 - 2	

35H-AJ

LINE VOLTAGE CONVERSION TABLE FOR PS215		
REFERENCE ALD PAGE YA604 AND MI VOL 13 PAGE 12-075		
NOTE: PS215 TB2 IS INSIDE THE SUPPLY		
FROM ANY OF THE FOLLOWING VOLTAGES	TO ANY OF THE FOLLOWING VOLTAGES	
200V 50/60HZ	208V 60HZ	380V 50HZ
220V 50/60HZ	240V 60HZ	400V 50HZ
415V 50HZ		
NO ACTION REQUIRED IF CONVERTING		
FROM ANY OF THE FOLLOWING VOLTAGES	TO ANY OF THE FOLLOWING VOLTAGES	
380V 50HZ	400V 50HZ	380V 50HZ
415V 50HZ		400V 50HZ

60B-AF

CHART A				
CONNECT	JPR-1	FROM	TB2-4	TO
CONNECT	JPR-2	FROM	TB2-5	TO
CONNECT	JPR-3	FROM	TB2-6	TO
CONNECT	JPR-4	FROM	TB2-7	TO
CONNECT	JPR-5	FROM	TB2-8	TO
CONNECT	JPR-6	FROM	E1	TO
CONNECT	JPR-7	FROM	E2	TO
CONNECT	JPR-8	FROM	E3	TO

60H-AH

LINE VOLTAGE CONVERSION TABLE FOR PS215 CONTINUED		
REFERENCE ALD PAGE YA604 AND MI VOL 13 PAGE 12-075		
NOTE: PS215 TB2 IS INSIDE THE SUPPLY		
FROM ANY OF THE FOLLOWING VOLTAGES	TO ANY OF THE FOLLOWING VOLTAGES	
200V 50/60HZ	208V 60HZ	380V 50HZ
220V 50/60HZ	240V 60HZ	400V 50HZ
415V 50HZ		
NO ACTION REQUIRED IF CONVERTING		
FROM ANY OF THE FOLLOWING VOLTAGES	TO ANY OF THE FOLLOWING VOLTAGES	
380V 50HZ	400V 50HZ	380V 50HZ
415V 50HZ		400V 50HZ

60N-AC

CHART B				
REMOVE	JPR-1	FROM	JPR-1	
REMOVE	JPR-2	FROM	JPR-2	
CONNECT	JPR-2	FROM	TB2-7	TO
CONNECT	JPR-3	FROM	TB2-4	TO
CONNECT	JPR-4	FROM	TB2-5	TO
CONNECT	JPR-5	FROM	TB2-6	TO
CONNECT	JPR-6	FROM	E3	TO
CONNECT	JPR-7	FROM	E3	TO

60T-AI

COMMENTS

A1 PN-372002
EX-372521
EX-372522
EC-373596

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FRU LIST
50/60 HZ CONVERSION TABLES

LIC= USN 00003 PRI=21DEC81 1333
SEC= SEC FORM=KSEC
AUC= NEXTBLK AL CID CIDPWCR
CID CIDPWCR
JOB BP\$PWCRX
0001 10 5

ABBREVIATIONS	MEANING
A + NUMBER	ANALOG SENSE LINE NUMBER
AC	ALTERNATING CURRENT
AFS	AIR FLOW SENSOR
AIS	AIR INLET SENSOR
ALD	AUTOMATED LOGIC DIAGRAMS
AMD	AIR MOVING DEVICE
AND	ANODE
ADS	AIR OUTLET SENSOR
AUS	AUXILIARY
AVG	AVERAGE
BAS	BASIC
BLHRS	BLOWERS
BRD	BOARD
BU	BULK
C + NUMBER	CONTROL LINE NUMBER
CAP	CAPACITOR
CAT	CATHODE
CB	CIRCUIT BREAKER
CEP	CUSTOMER ENGINEER
CHK	CUSTOMER ENGINEER PANEL CHECK

10B-AA

ABBREVIATIONS	MEANING
CL	CURRENT LIMENT
CNTL	CONTROL
CNTLD	CONTROLLED
COM	COMMON
COMPL	COMPLETE
CON	CONNECTOR
CONV	CONVENTION
CP	CIRCUIT PROTECTOR
CA	CHANNEL
CU	CHANNEL TO CHANNEL ATTACHMENT
D + NUMBER	DIGITAL SENSOR NUMBER
DC	DIGITAL TO ANALOG CONVERTER
DEL	DELAY
DIS	DISABLE
DIV	DIVIDER
DRV	DRIVE
DSK	DISK
EMC	ELECTROMAGNETIC COMPATABILITY
EMCH	ELECTROMAGNETIC COMPATABILITY MONITOR

35B-AB

ABBREVIATIONS	MEANING
FDS	FLATIRE DISTRIBUTION SYSTEM
FEAT	FEATURE
FLTR	FILTER
FR	FRAME
GND	GROUND
H + NUMBER	HARDWIRE SEQUENCE SENSE LINE NUMBER
HWS	HARDWIRE SEQUENCE
IMPL	INITIAL MICROCODE LOAD
IND	INDICATOR
INT	INITIAL
INT	INTEGRATOR
INTF	INTERFACE
PO	INSTANT POWER OFF
I/O	INTERGRATED POWER SYSTEM
JMPR	INPUT OUTPUT DEVICE
K + NUMBER	JUMPER
	CONTACTOR NUMBER

60B-AC

LED	LIGHR_EMITTING DIODE
LT	LINE FILTER
MON	MONITOR
MSS	MILLI SECOND
MSS	MINTENANCE SUPPORT SUBSYSTEM
N	NEUTRAL
NEUT	NEUTRAL
NPI	NOT AVAILABLE
N/A	NORMALLY CLOSED
N/C	NORMALLY OPEN
OCP	OPERATOR CONTROL PANEL
OSC	OSCILLATOR
OV	OVER VOLTAGE
PC	POWER CONTROLES
PCA	POWER CONTROLLER ADAPTER
PCB	POWER CONTROL COMPARTMENT
POS	POSITION
PROF	PROCESSOR
PROGR	PROGRAM
PS	POWER SUPPLY
PT	POINT

10L-AD

PWR	POWER
Q
REF	RESISTOR
REF	REFERENCE
REF	REGULATOR
RES	RESET
RSTN	RETURN
RY	RELAY
SBA	SUPPORT BUS ADAPTER
SCR	SILICON CONTROLLED RECTIFER
SEC	SECOND
SEC	SELECT
SENSE	SENSE
SPI	SUPERVISOR PROCESSOR
SPRI	STANDARD POWER INTERFACE
SW	SWITCH
TB	TERMINAL BLOCK
TD	TIME DELAY
THERM	TERMAL
TP	TEST POINT
TR	TRANSFORMER

35L-AE

UEPO	UNIT EMERGENCY POWER OFF
UV	UNDER VOLTAGE
V	VOLTAGE
VAC	VOLTAGE ALTERNATING CURRENT
VDC	VOLTAGE DIRECT CURRENT
VF	VOLTAGE FAIL
H
XFMR	TRANSFORMER
Y
Z

60L-AF

COMMENTS

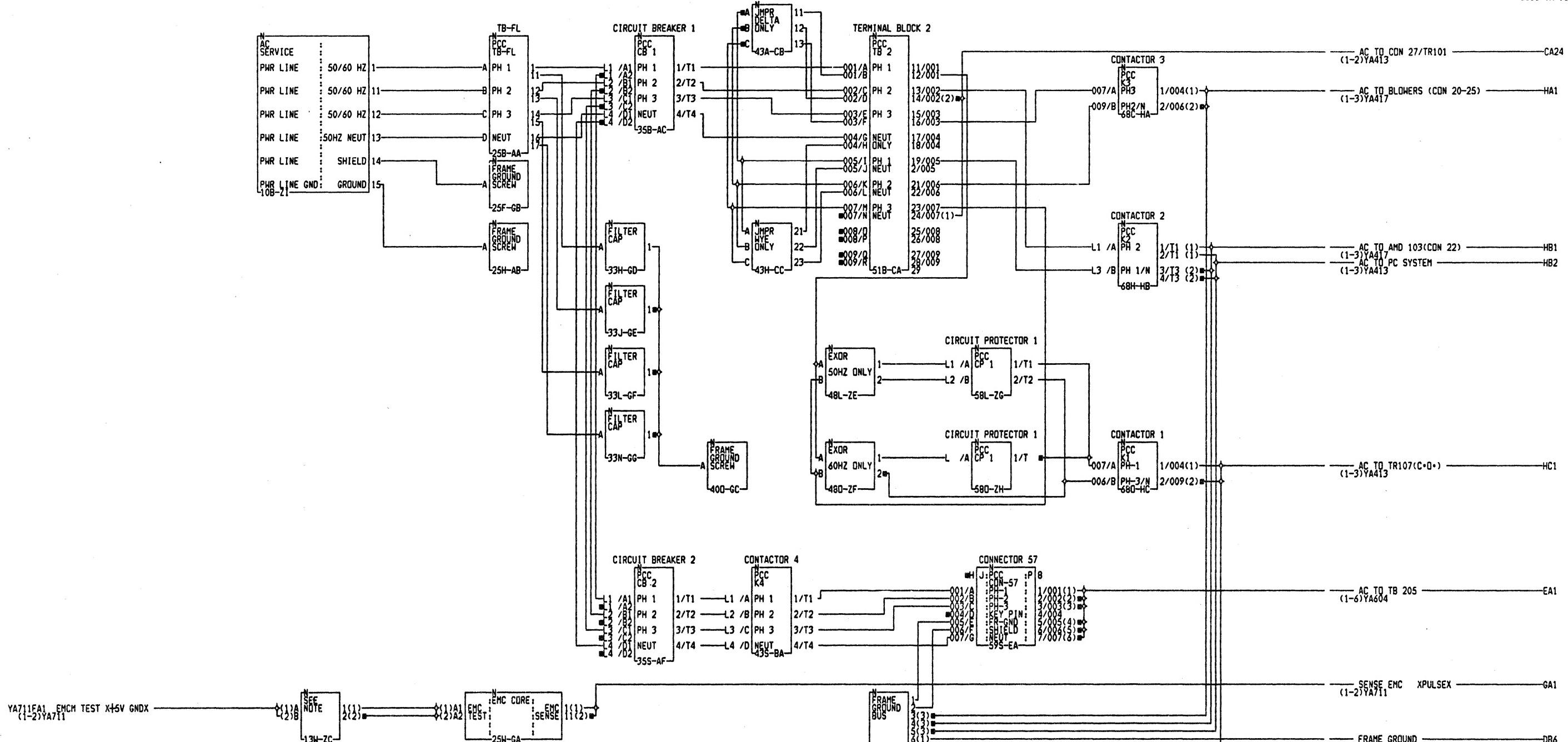
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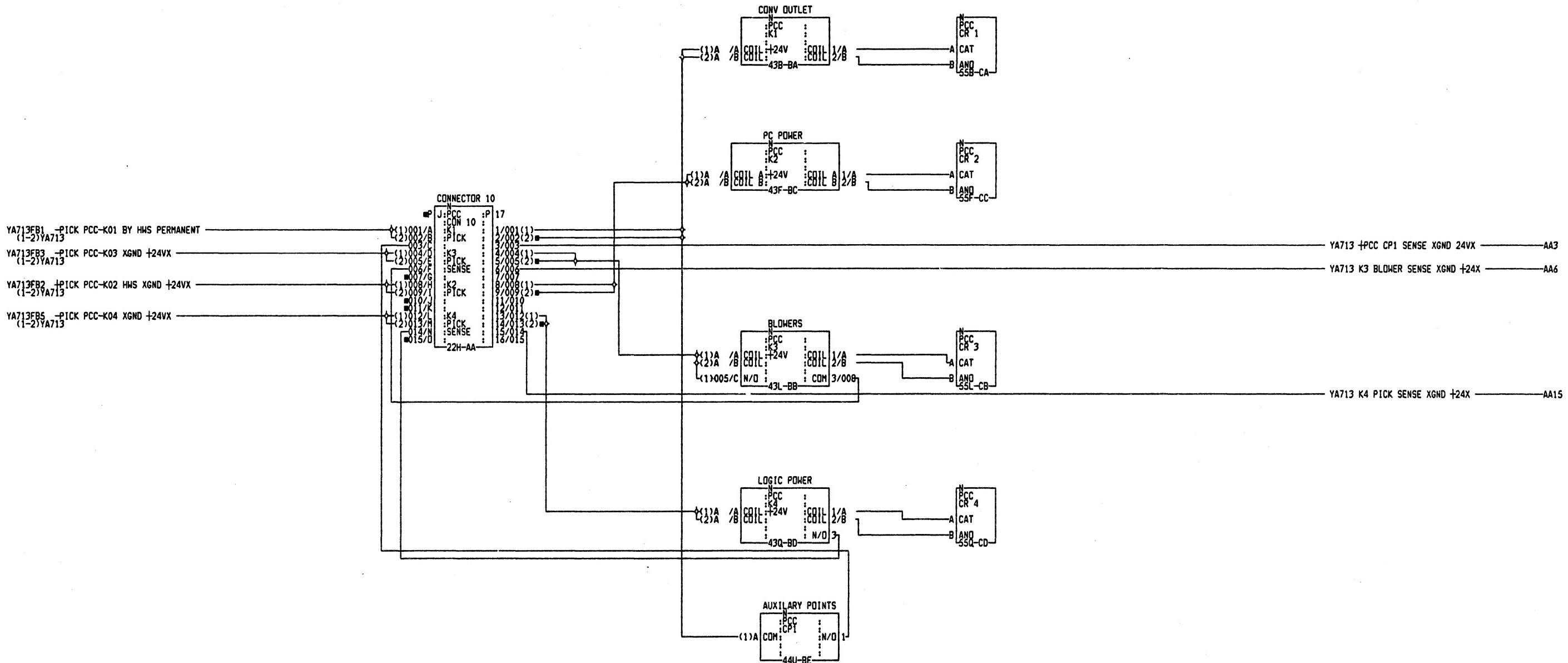
GENERAL INFORMATION
ABBREVIATIONS

LOC=		
USN	00002	PRI=20AUG81 0935
AUC=		SEC
PFORM	KSEC	NEXTBLK AG
CID	CIDPWCR	JOB BP#PWRC

0001



COMMENTS
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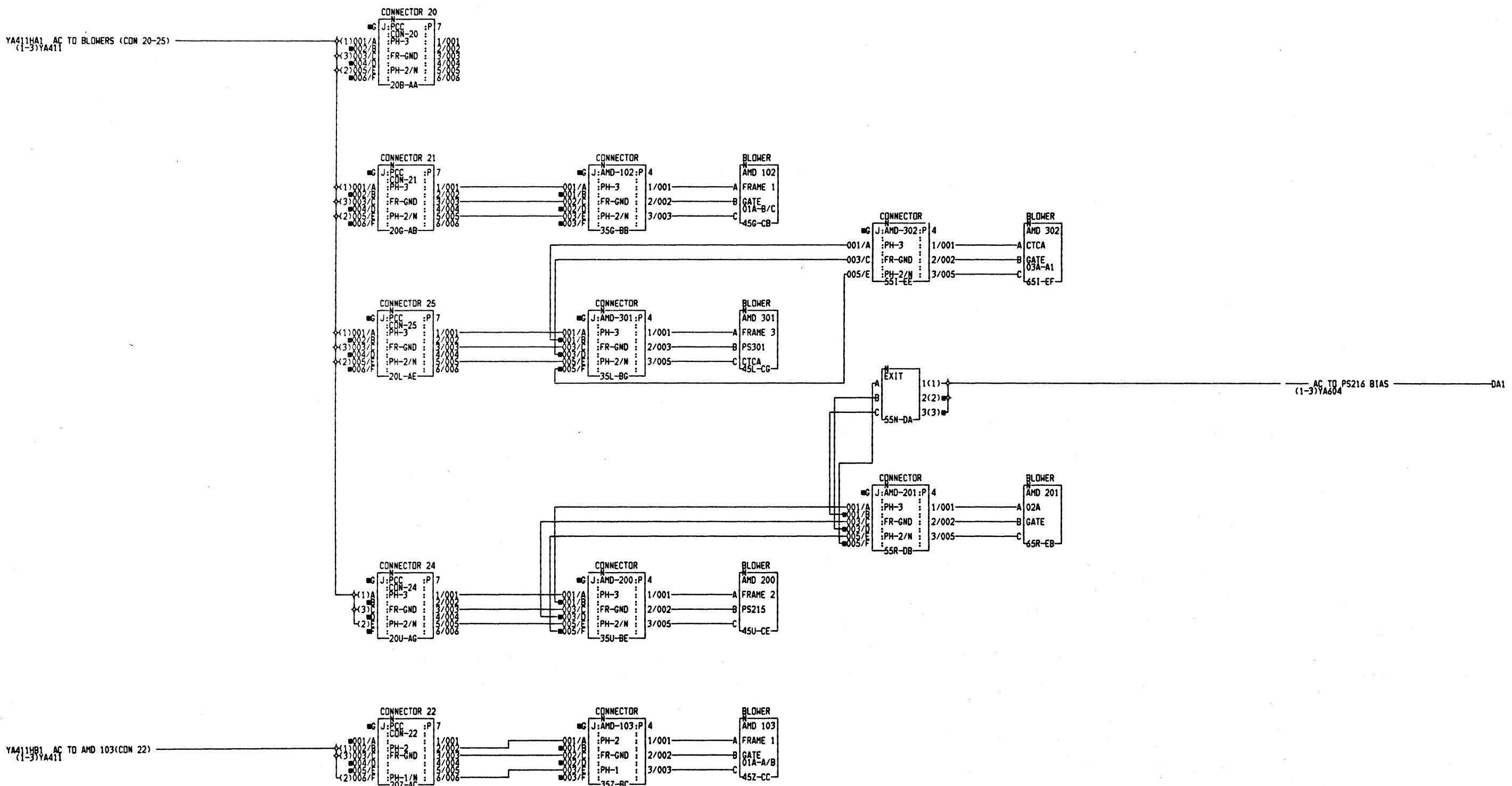


COMMENTS

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D1	0001

PRIMARY CONTROL COMPARTMENT
CONTROLLED RELAY COILS

LOC=	USN 00001	PRI=100CT80 1608
AUC=	PFORM=KSEC	SEC=NEXTBLK CE
CID CIDPWCR	JOB BPBPHCRN	0001



YA411HB1 AC TO AMD 103(CON 22)

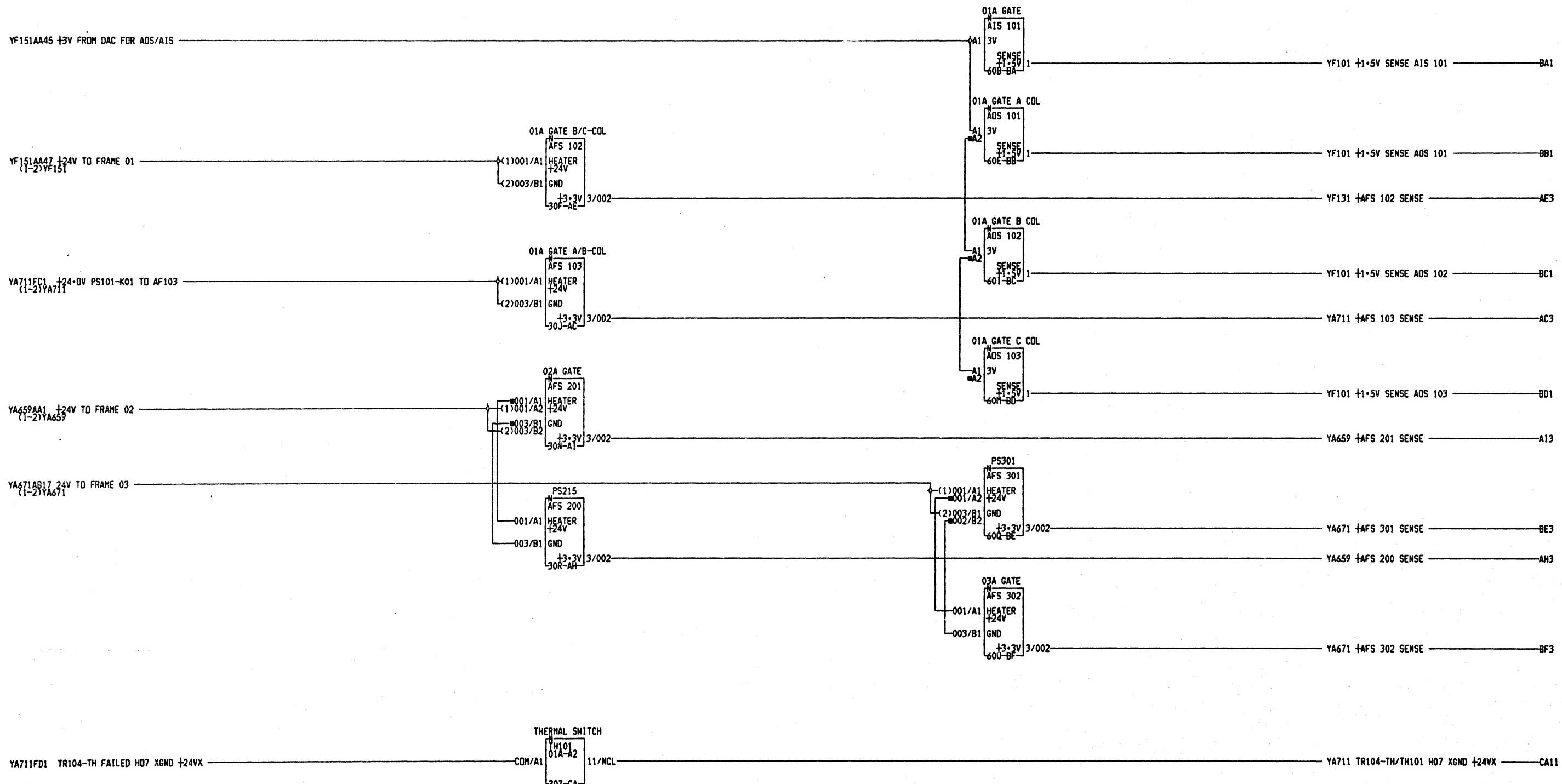
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COMMENTS
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(C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
0001 5 1981

PRIMARY CONTROL COMPARTMENT
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BLOWERS (AMD S)

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AUG= PFOMR=KSEC SEC=NEXTBLK EG
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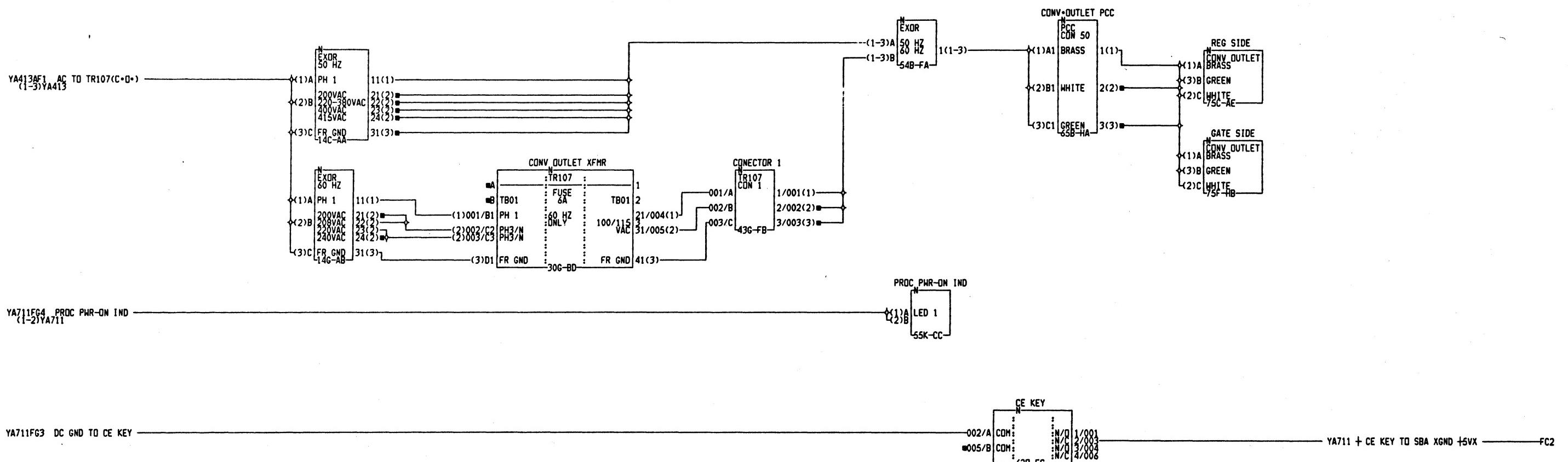


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BLOWER SENSING

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CID CIDPWR	JOB BP\$PWCRX
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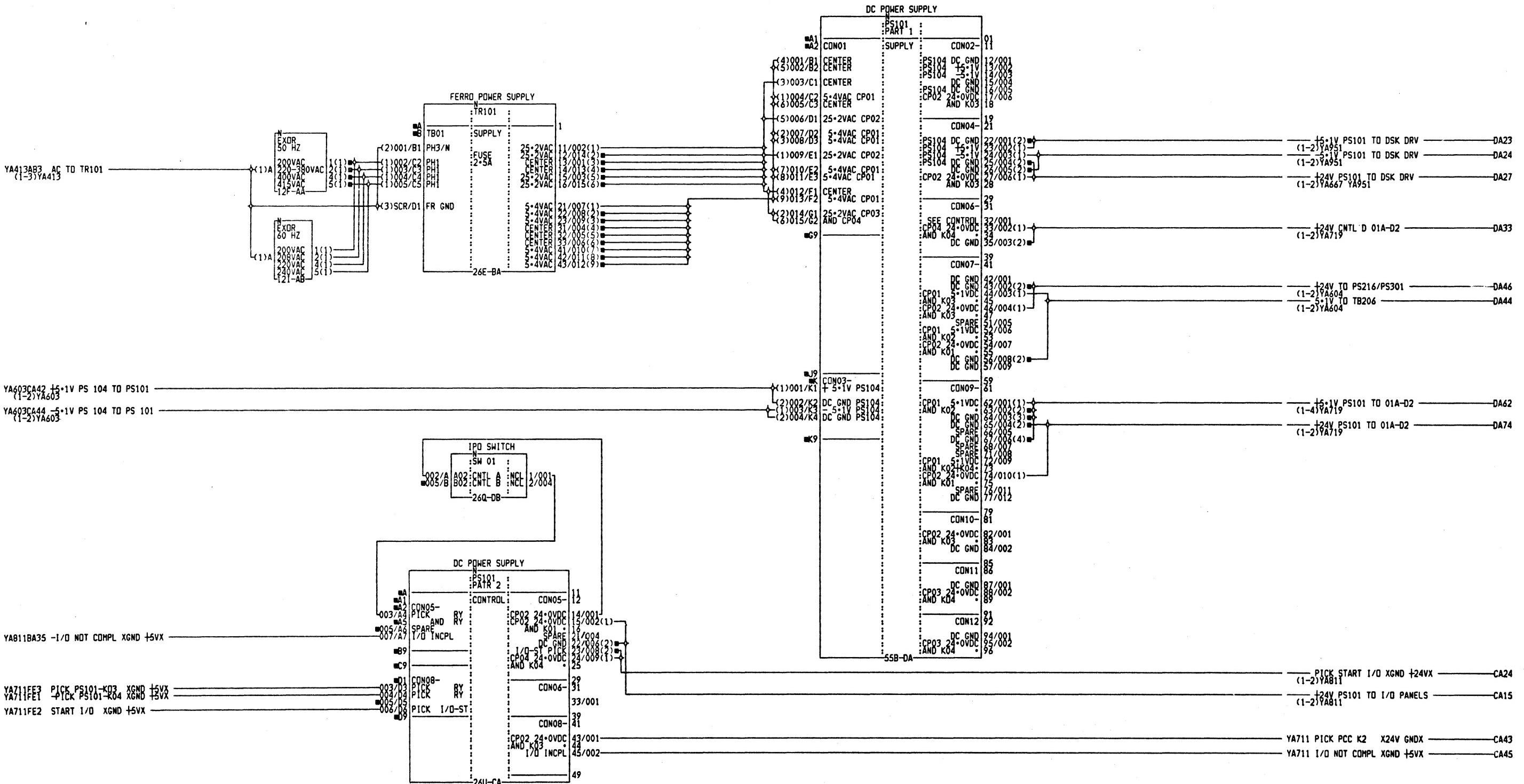
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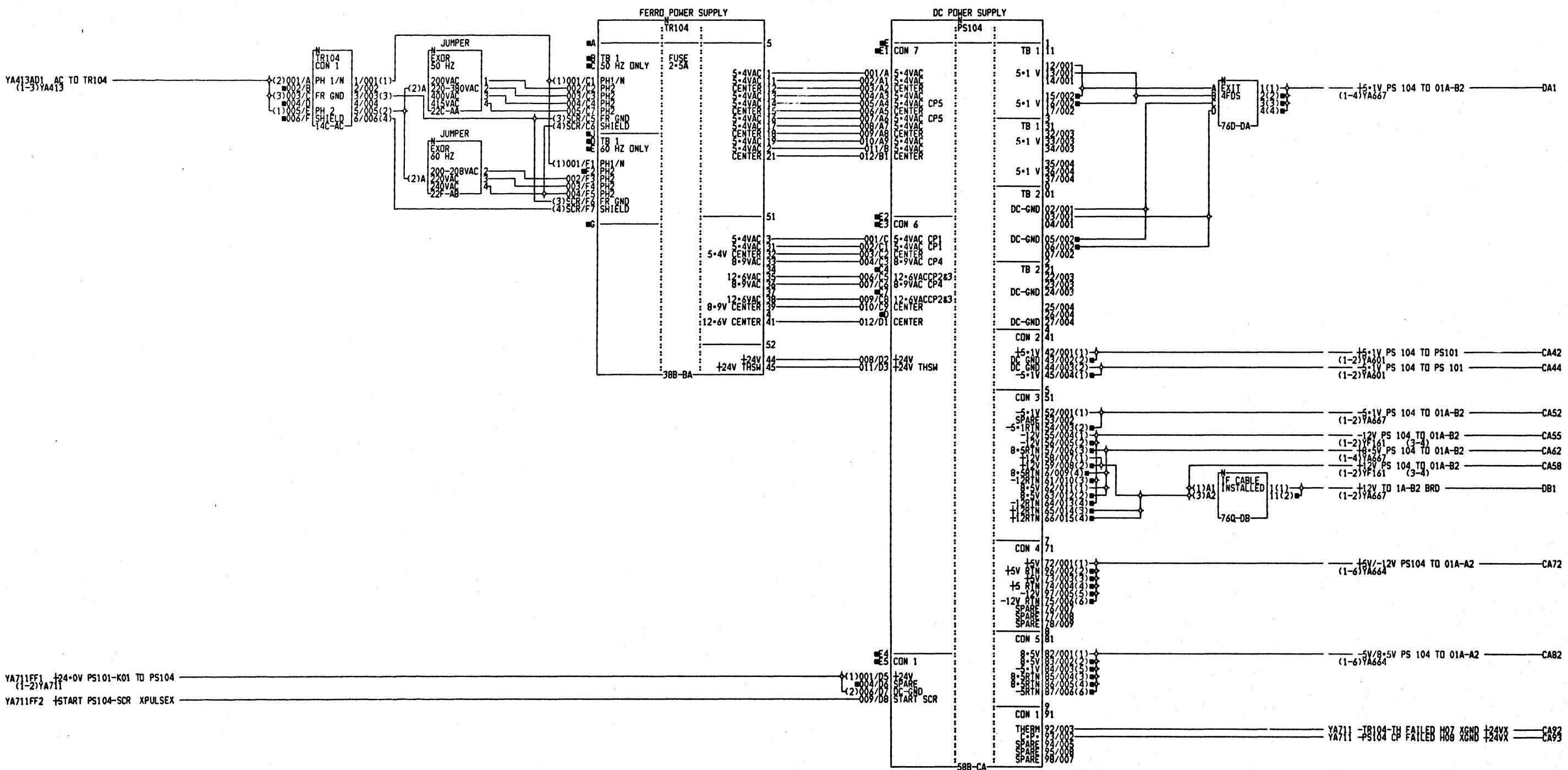
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EC-373595
EC-373596

B1 (C) COPYRIGHT INTERNATIONAL BUSINESS MACHINES CORPORATION 5 1981

0001

CONV OUTLET VOLTAGE	
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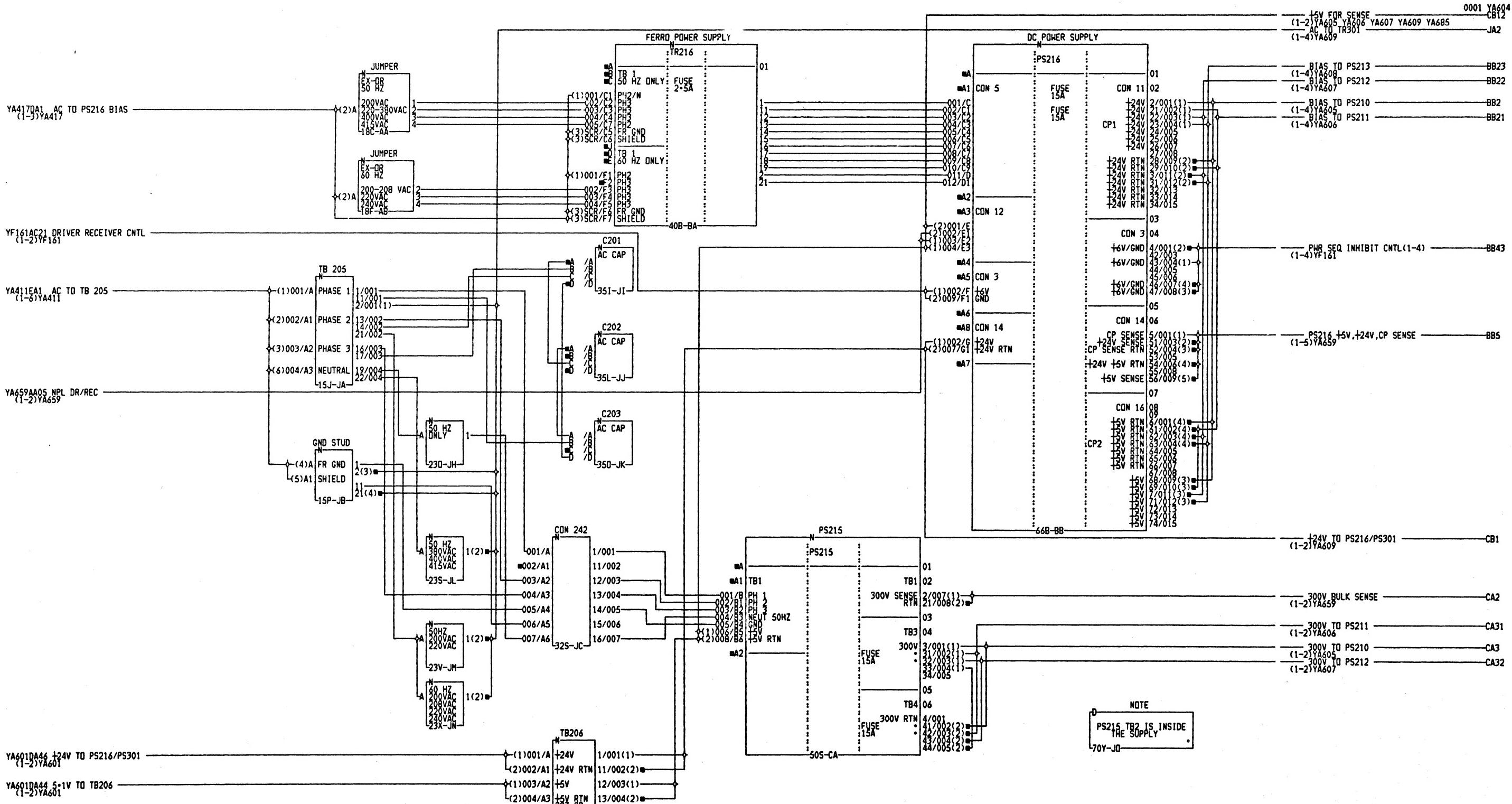
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A1 PN=37901
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6 B1
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3 INTERNATIONAL BUSINESS
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1981

R104 - PS104
ISS ADAPTERS

LOC= USN 00003 PRI=21DEC81 1333
AVC= SEC Y
PFORM=KSEC NEXTBLK DC 3
CID CIDPWR JOB BP\$PHCRX
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COMMENTS
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=873596

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5 1981 INTERNATIONAL BUSINESS
MACHINES CORPORATION

DC DISTRIBUTION
PS215 - TR216 - PS216

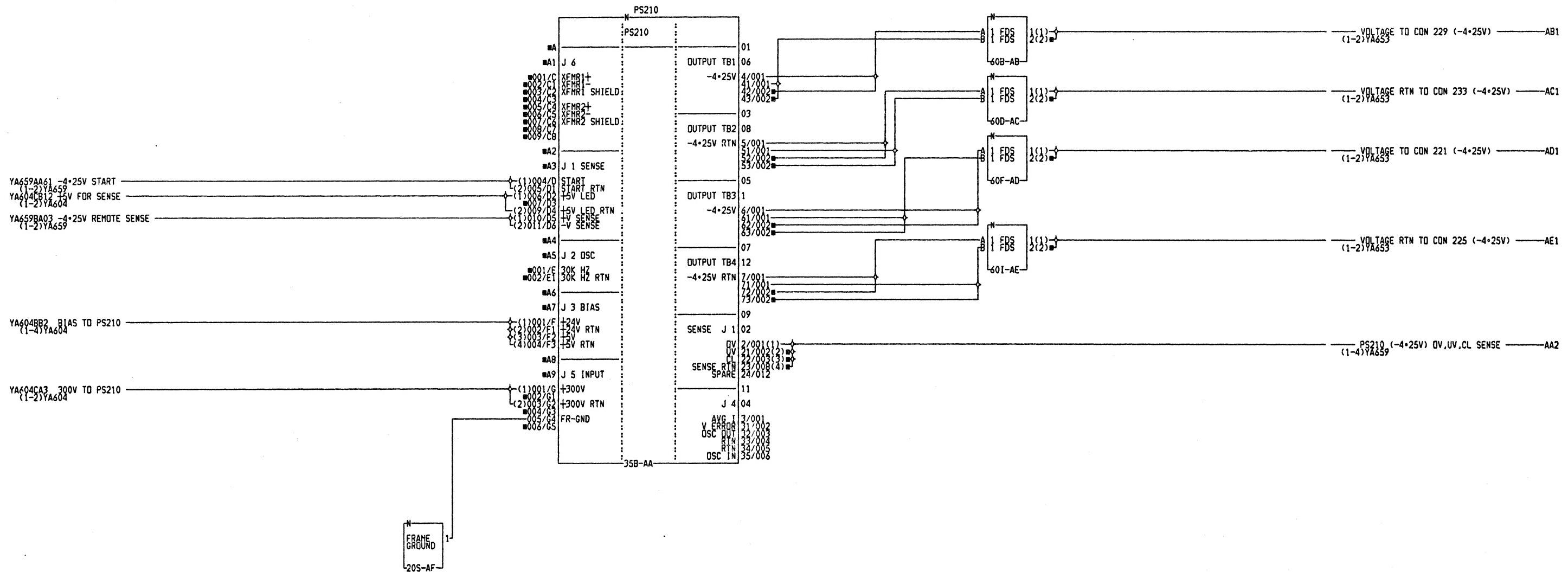
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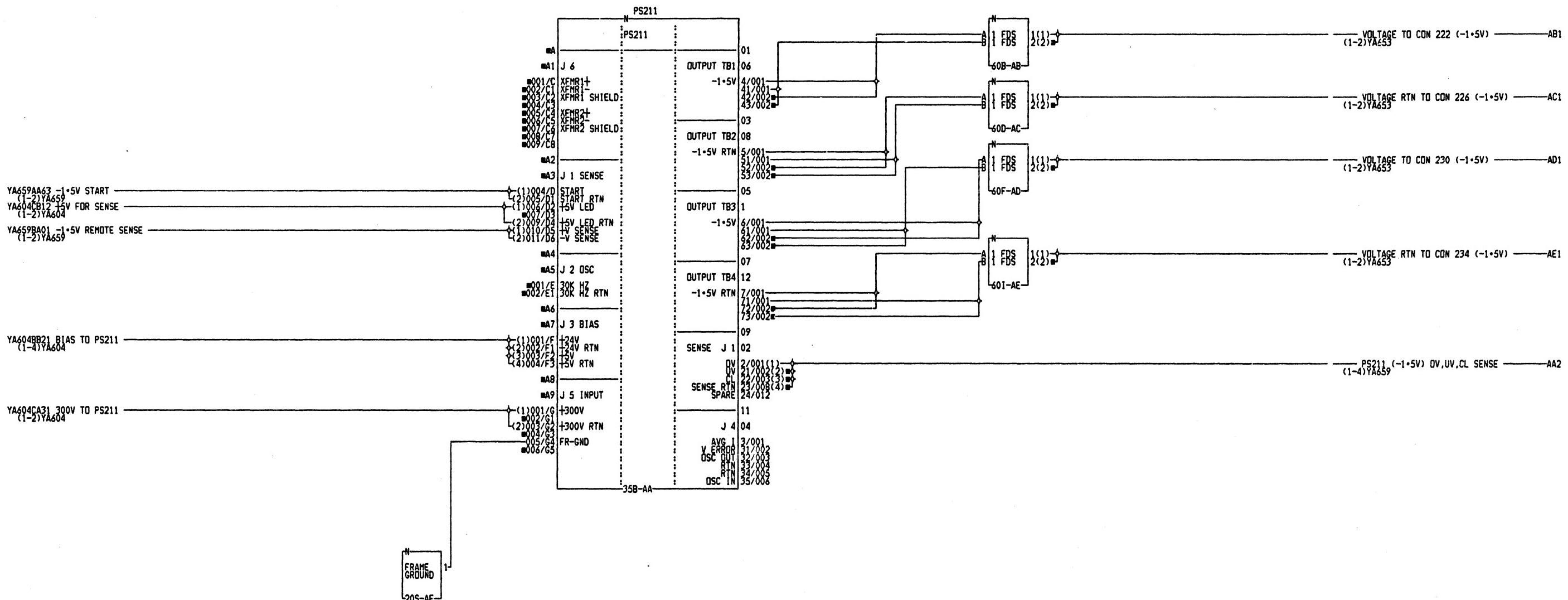
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EC=873594

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
0001 5 1980

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AUC= PFORM=KSEC	SEC=NEXTBLK AG
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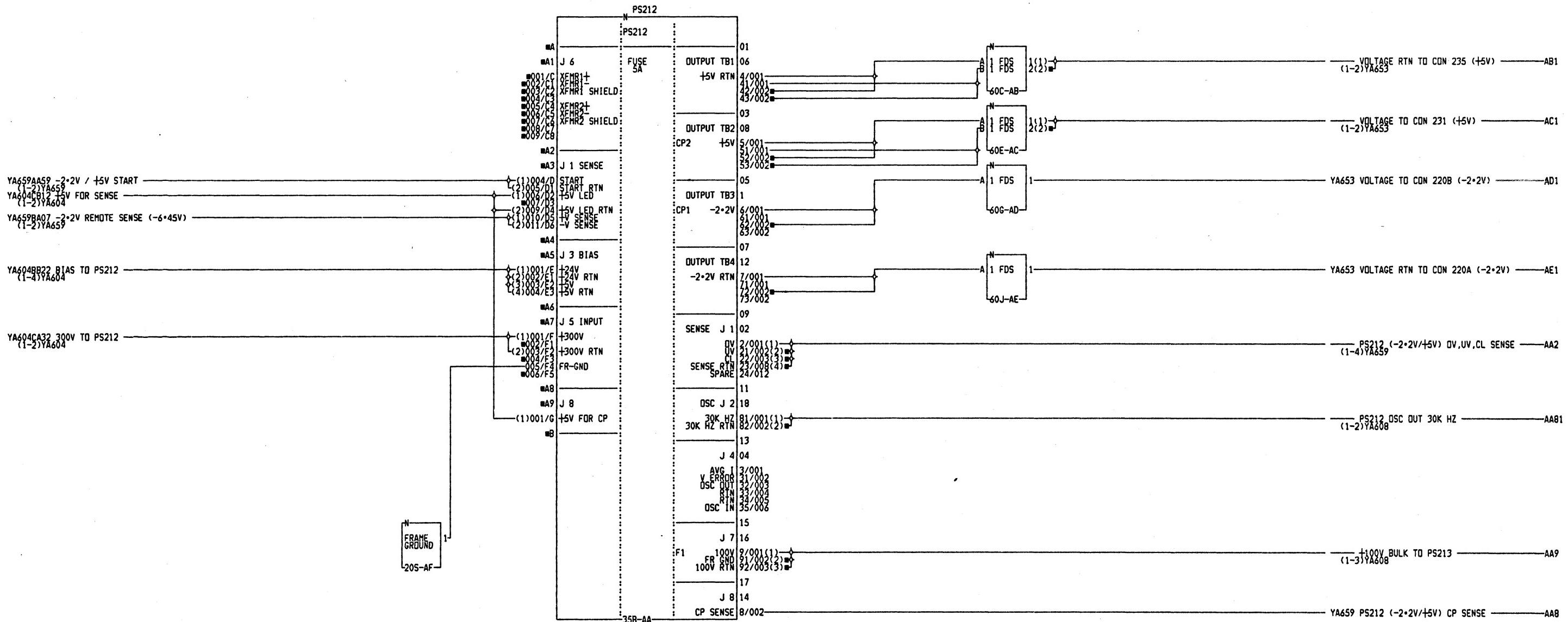
COMMENTS
A1 PN-372043
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Y A
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(C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1980
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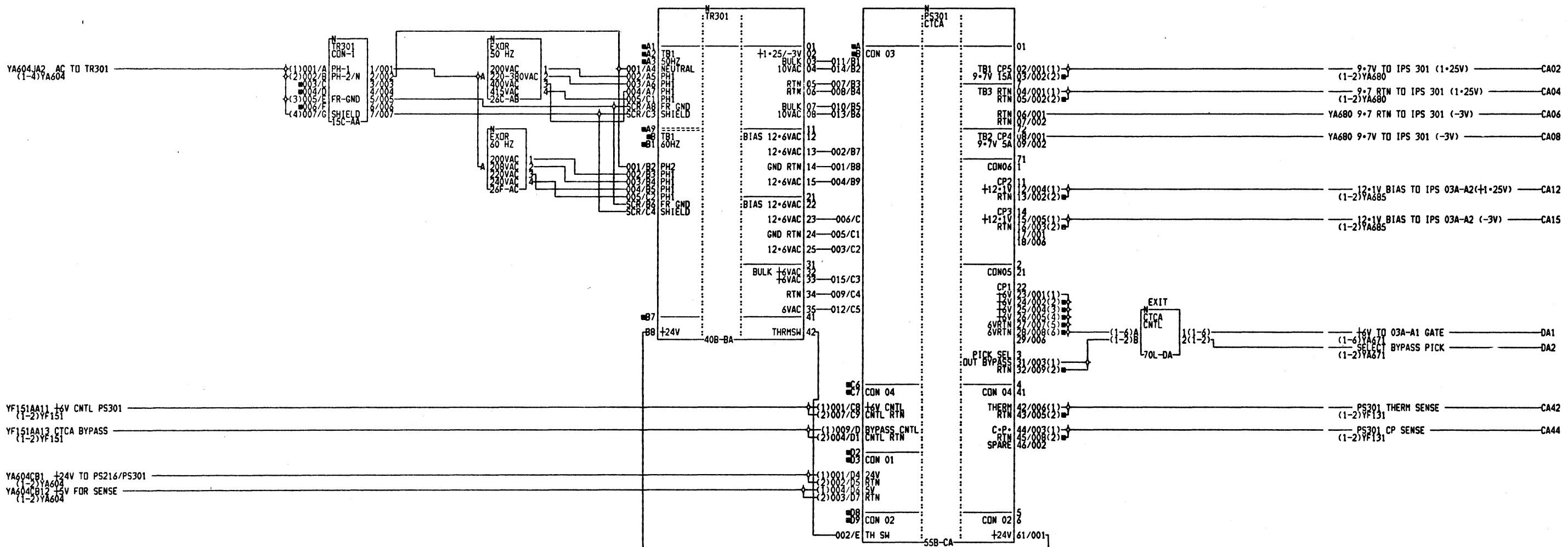
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DC DISTRIBUTION
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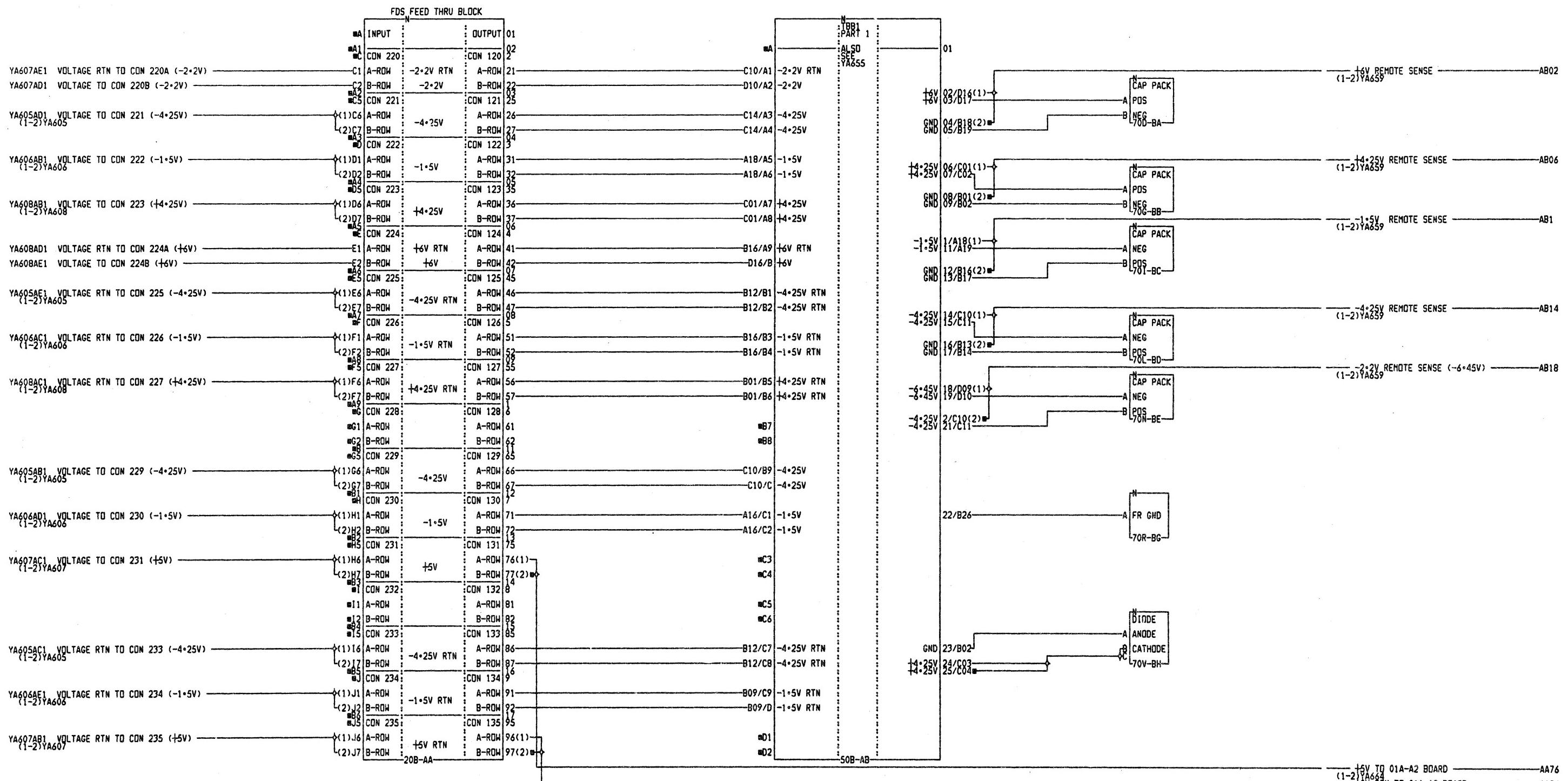
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INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1981

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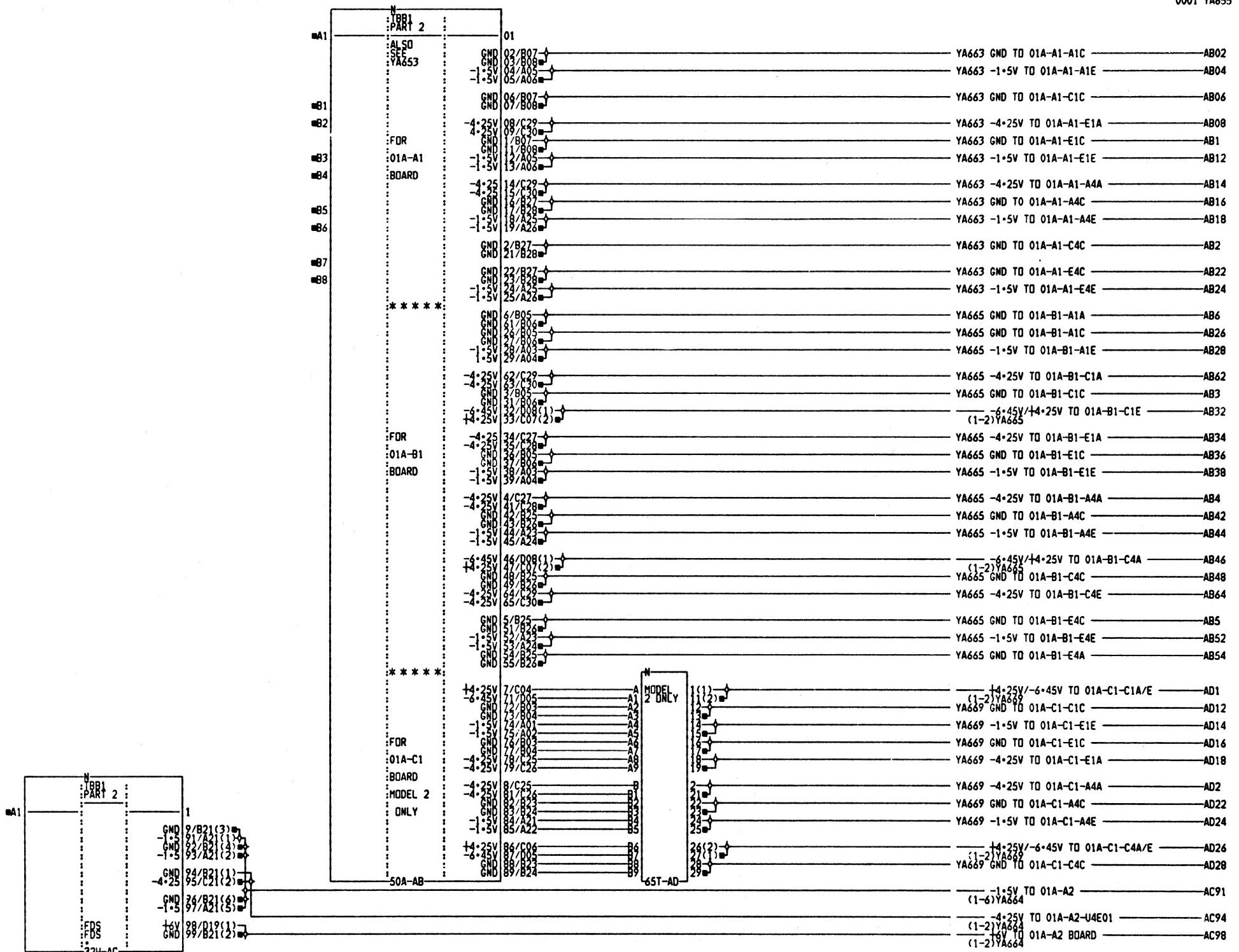
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CID CIDPWCR NEATBLK DB
JOB BP\$PWCX JOB



—COMMENTS—

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DC DISTRIBUTION
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TBB1 PART 1



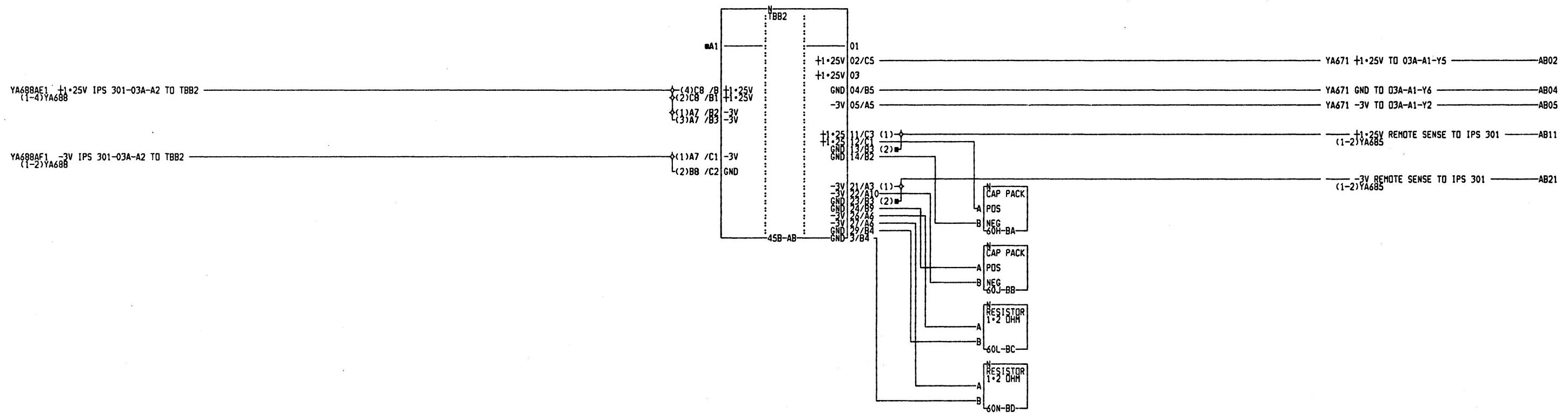
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INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1981

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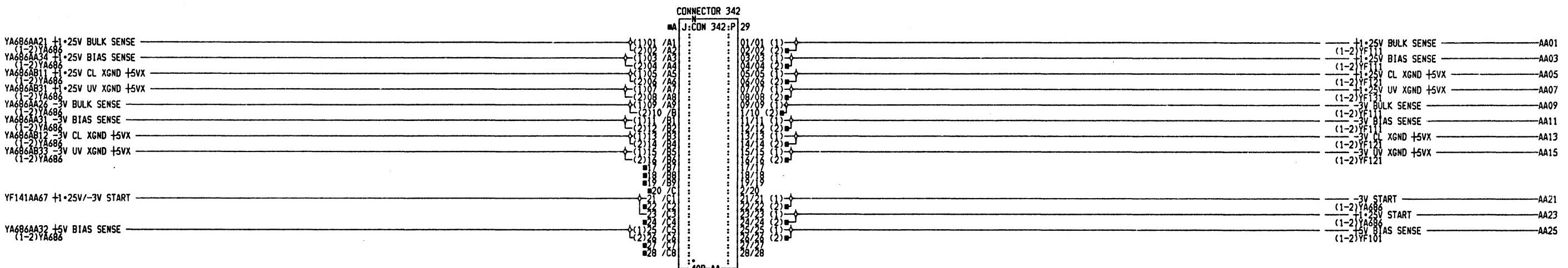
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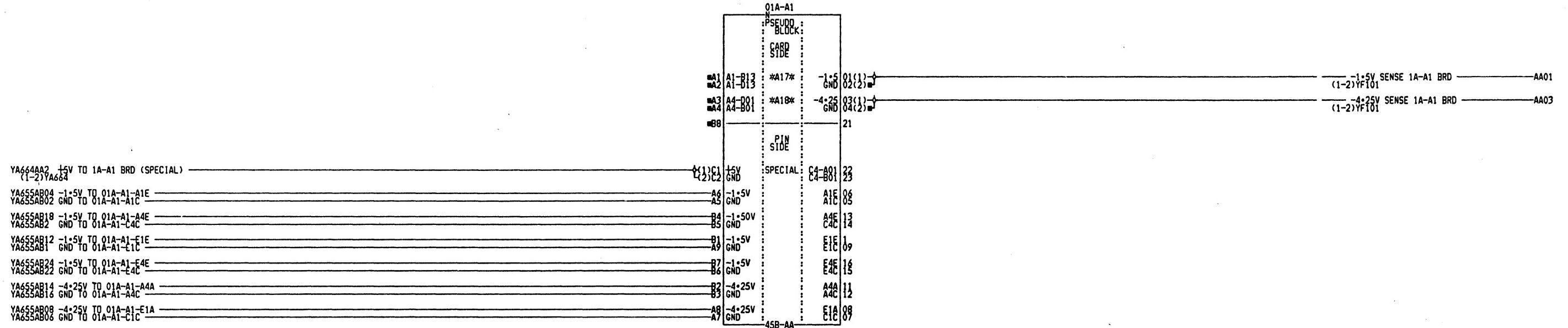


COMMENTS

A1	PN=379023
	EC=873593
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3	(C) COPYRIGHT
4	INTERNATIONAL BUSINESS
5	MACHINES CORPORATION
0001	5 1980

INTEGRATED POWER SYSTEM <IPS>
CTCA

LOC=		PRI=10OCT80 1608
USN 00001		
AUC=		SEC
PFORM=KSEC		NEXTBLK AB
CID CIDPWR		JOB BPBPHCRN
		0001



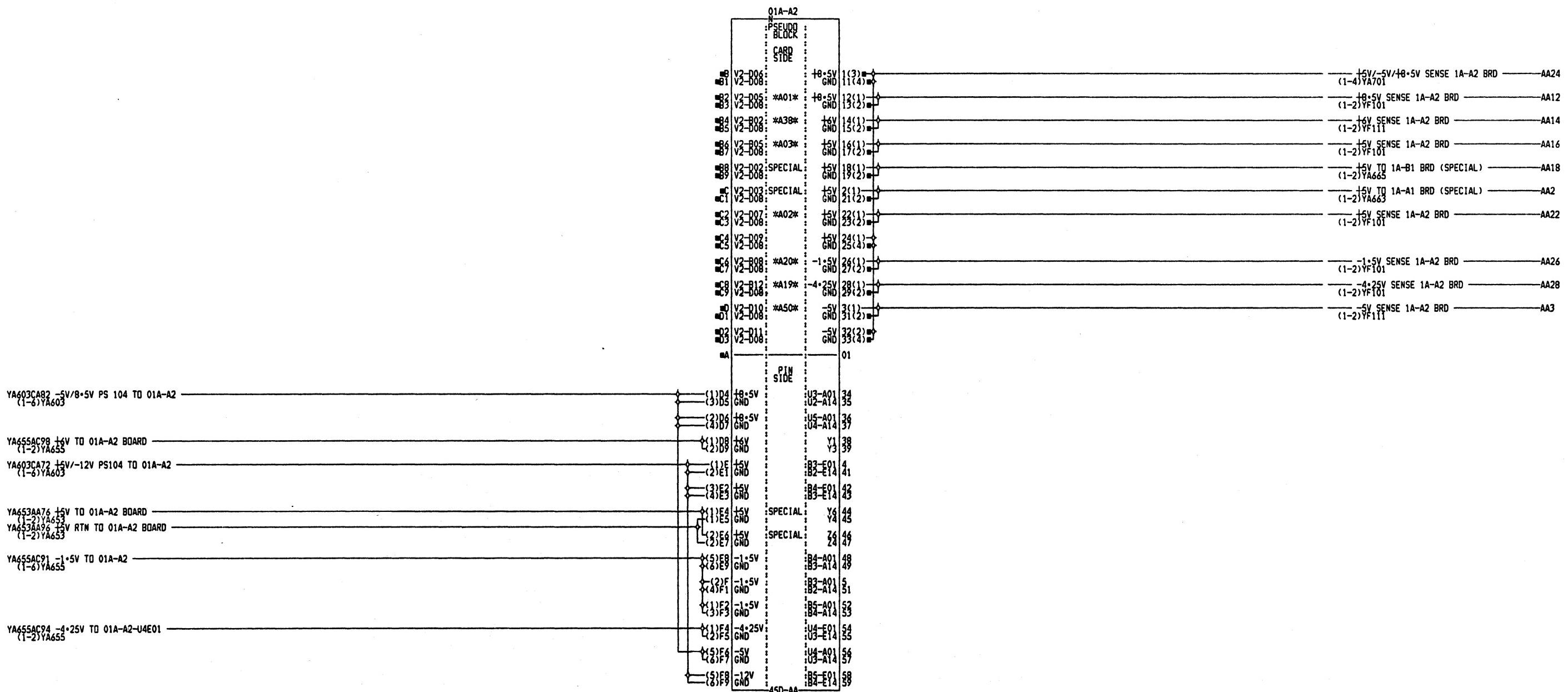
COMMENTS

A1 PN=379024
EC=873593

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
0001 5 1980

INTERCONNECTIONS
TO 01A-A1 BOARD

LOC= USN 00001 PRI=10OCT80 1608
AUC= PF0RM-KSEC SEC
CID CIDPWCR NEXTBLK AB
JOB BP@PHCRN 0001



A1 PN-379025
EC-B73593

Y

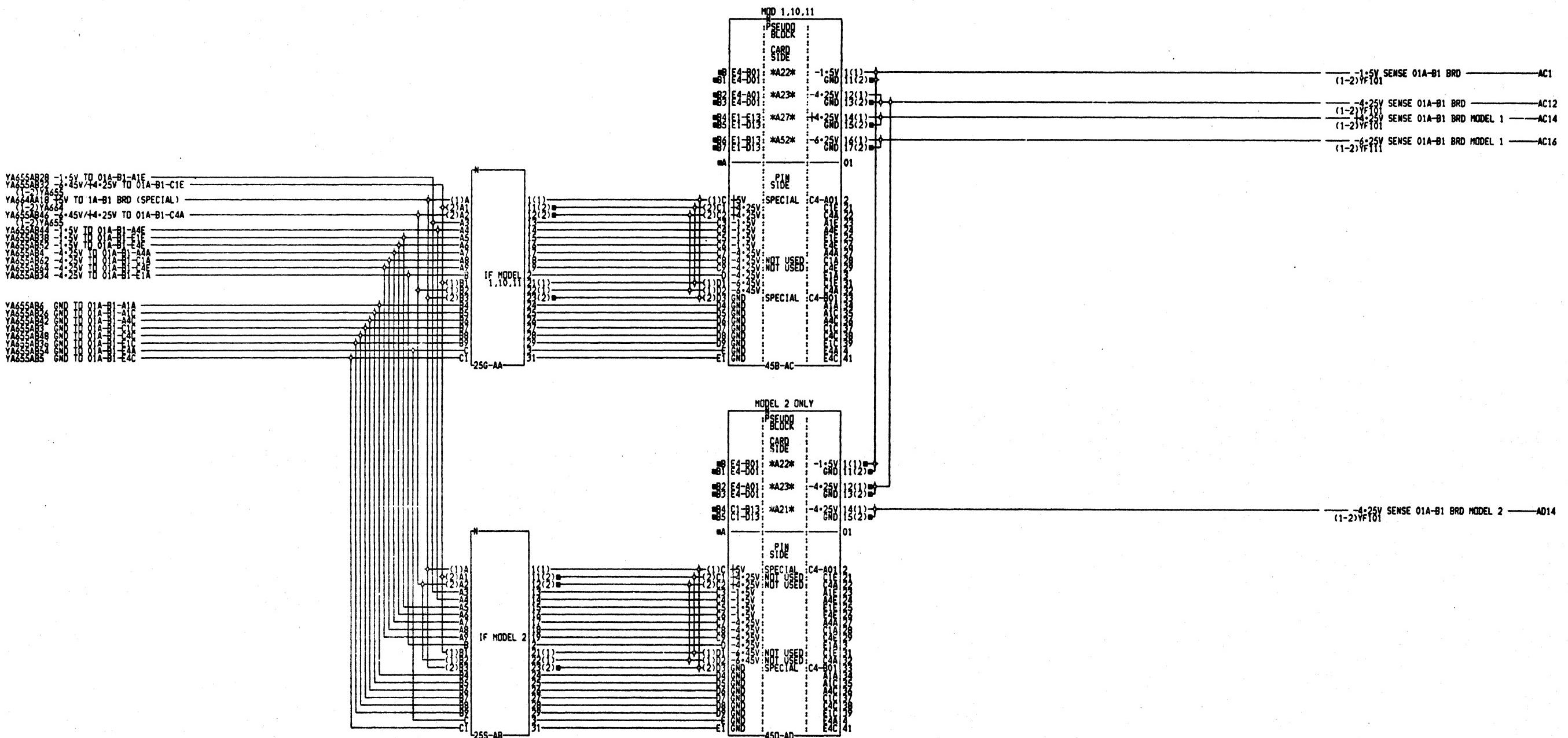
B1

(C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
1980

INTERCONNECTIONS
TO 01A-02 BOARD

C=

N 00001 PRI=100CT80 1608 Y
C= SEC NEXTBLK AB A
ORM=KSEC
D C1DPWCR JOB BP@PWCRN 0001

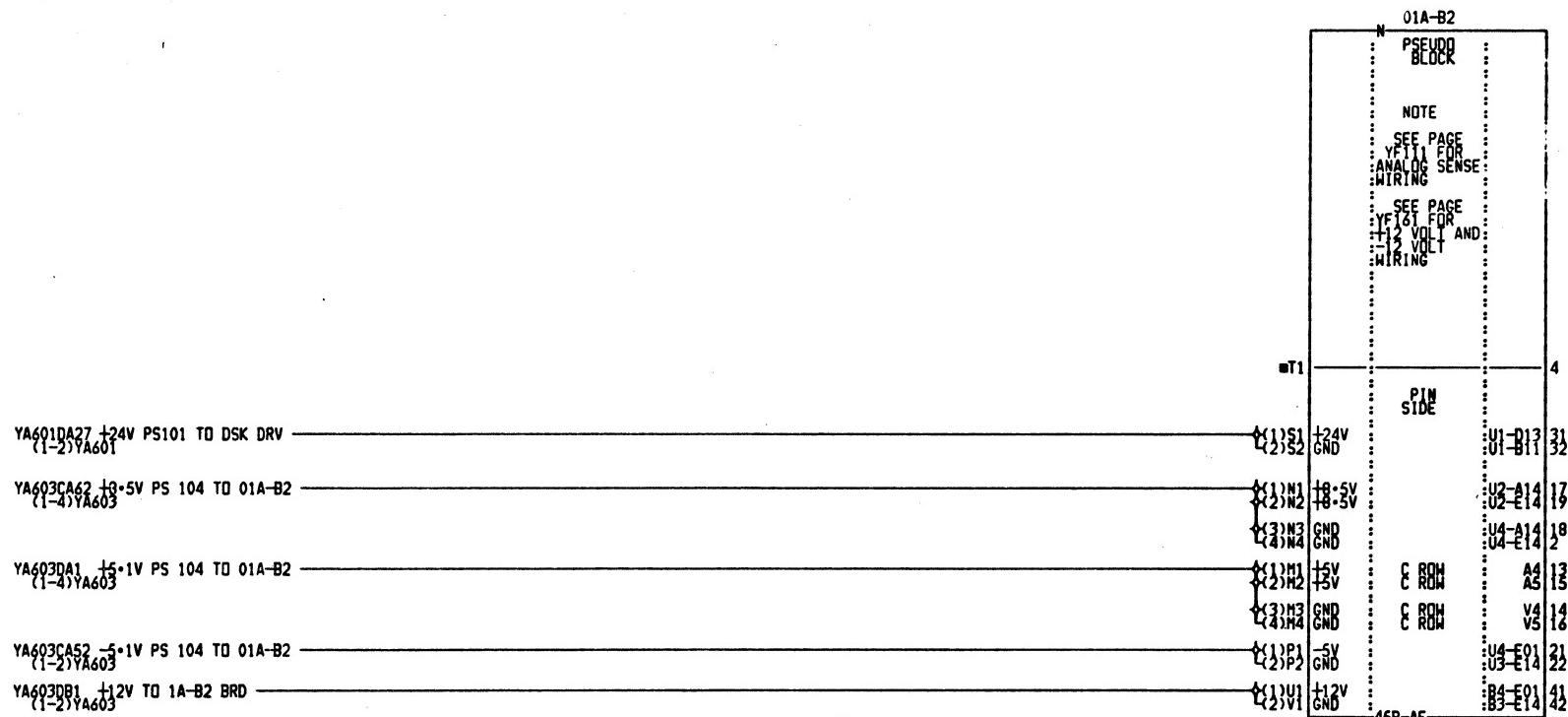


Comments:

- A1 EP-3790299
- EP-3791264
- EC-873596
- B1 (C) COPYRIGHT INTERNATIONAL BUSINESS MACHINES CORPORATION 1981

Interconnections to 01A-B1 Board:

LOC= USN 00003	PRI=21DEC81 1333
AUC= PFORM=KSEC	SEC= NEXTBLK AE
CID CIDPWR	JOB BPSPWCRX
0001	



NOTE

**D FOR MACHINES WITH EC 874037 INSTALLED
CAPACITOR ASSEMBLIES ARE CONNECTED AS SHOWN BELOW**

FROM	TO
P4-B04	P4-K08
P4-B02	P4-K08
P4-B11	P4-K08

**REFER TO BOARD B2 VOLTAGE PINS IN MI VOLUME 13/16
FOR CAPACITOR ASSEMBLY PART NUMBER.**

6SF-AG

COMMENTS

A1	PN=379027 EC-873564 EC-873598
B1	(C) COPYRIGHT INTERNATIONAL BUSINESS MACHINES CORPORATION 5 1981

INTERCONNECTIONS
TO 01A-B2
BOARD

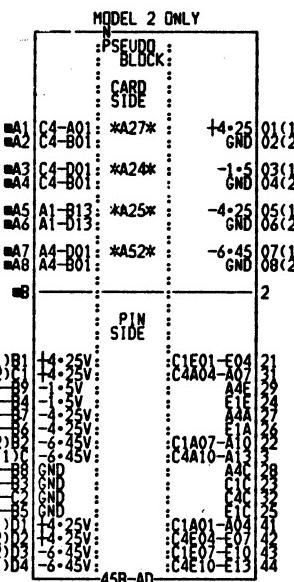
C=

N 00003 PRI=21DEC01 1333 X

C= SEC 9

DRM-KSEC NEXTBLK AH 9

D CIDPWCR JOB BP\$PWCRX 0001



YA655AD1 +4.25V/-6.45V TO 01A-C1-C1A/E
(1-2) YA655

YA655AD2 +4.25V/-6.45V TO 01A-C1-C4A/E
(1-2) YA655

YA655AD4 -1.5V TO 01A-C1-E1E

YA655AD2 -4.25V TO 01A-C1-C4A

YA655AD8 -4.25V TO 01A-C1-E1A

YA655AD22 GND TO 01A-C1-A4C

YA655AD12 GND TO 01A-X1-C1X

YA655AD16 GND TO 01A-X1-E1C

+4.25V SENSE 01A-C1 BRD MODEL 2 — AD01
(1-2) YF101

-1.5V SENSE 01A-C1 BRD MODEL 2 — AD03
(1-2) YF101

-4.25V SENSE 01A-C1 BRD MODEL 2 — AD05
(1-2) YF101

-6.45V SENSE 01A-C1 BRD MODEL 2 — AD07
(1-2) YF111

COMMENTS

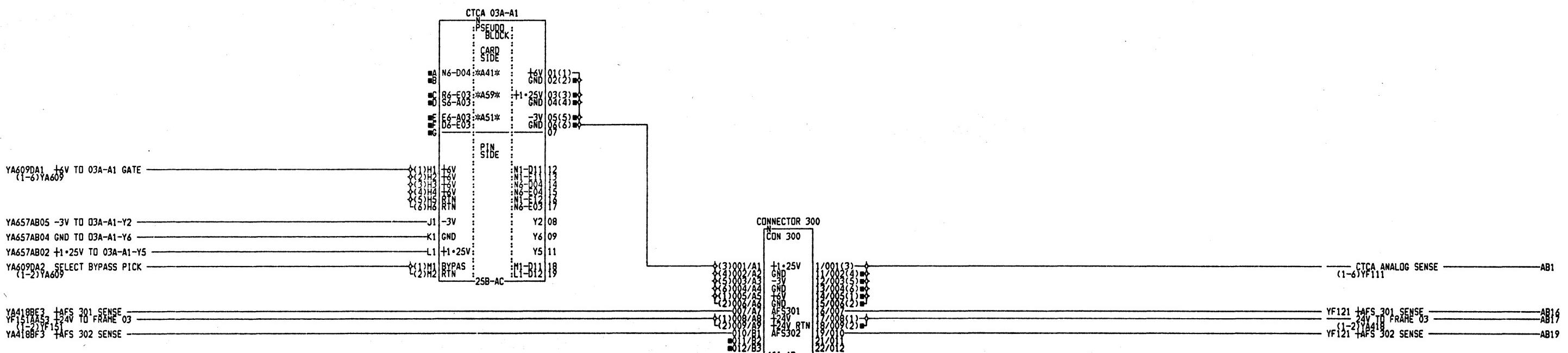
A1 PN=379028
EC=873593
EC=873594
EC=873596

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1981

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INTERCONNECTIONS
TO 01A-C1 BOARD
MODEL 2 ONLY

LOC= USN 00003 PRI-21DEC81 1333
AVC= SEC= BPFORM-KSEC NEXTBLK AE
CID CIDPWCR JOB BP\$PWCRX
0001



—COMMENTS

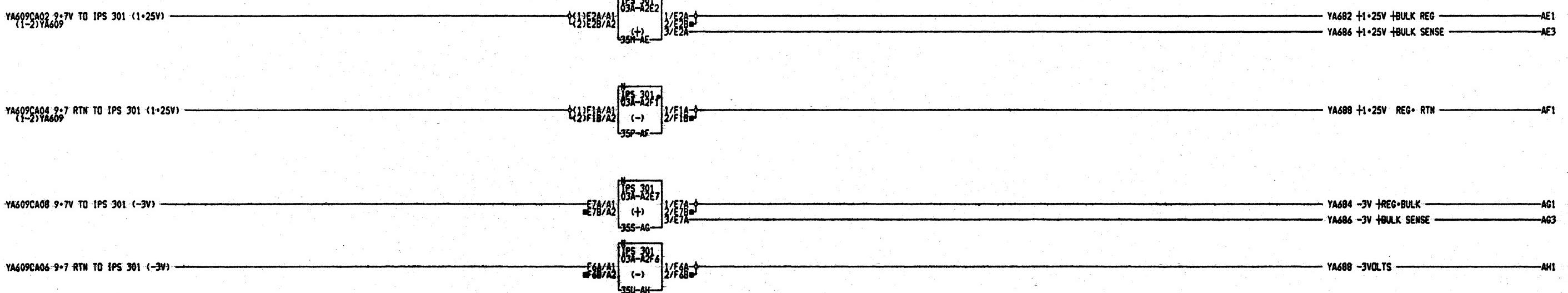
A1 PN=379029
2 EC=873593
3 EC=873594

A 9
B 1 (C) COPYRIGHT
1 2 INTERNATIONAL BUSINESS
0001 3 MACHINES CORPORATION
5 4 1980

© 1991 HALFINES CORPORATION

ANALOG SENSOR 03A-A1

DC= SN 00002 PRI=20AUG81 0935
JC= SEC
DRM=KSEC NEXTBLK AD
ID C1DPWCR JOB BP#PWCRC



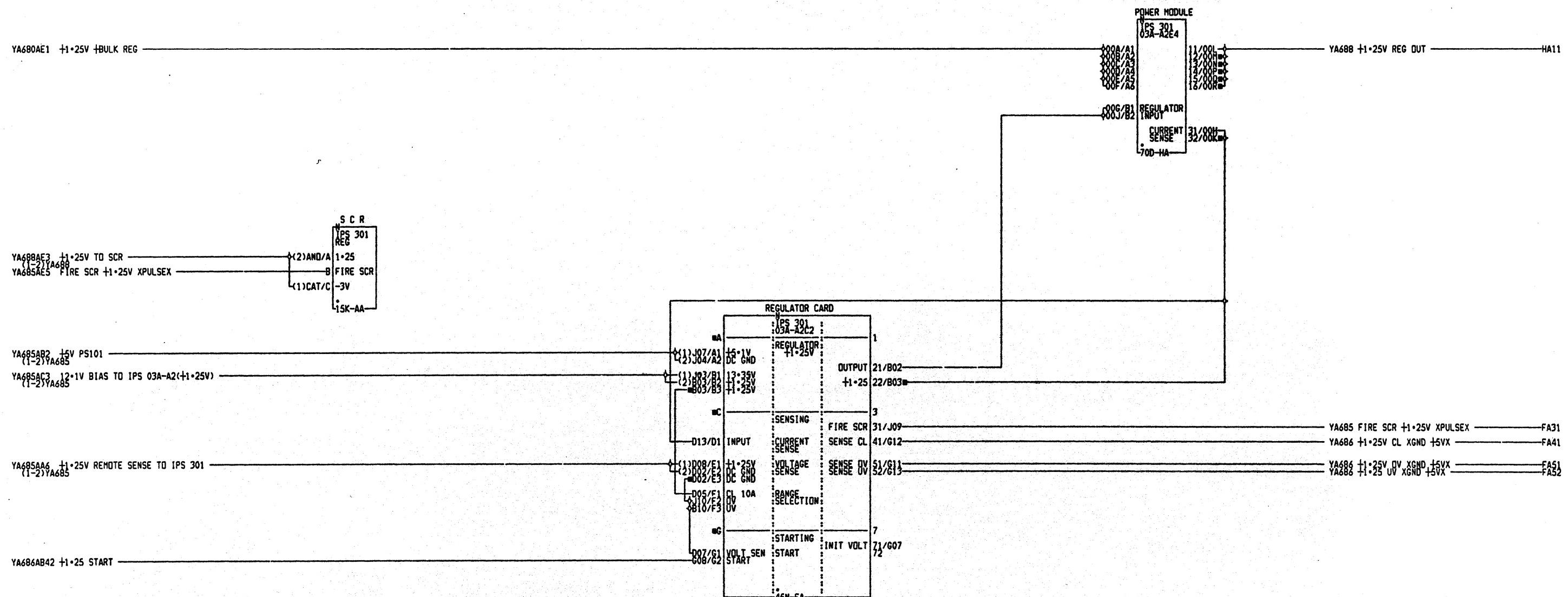
COMMENTS

A1 PN=372029
EC-673593

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
0001 5 1980

INTEGRATED POWER SYSTEM
CTCA

LOC:
USN 00001
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PFORM=KSEC
CID CIDPNCR
PRI=100CT80 1608
SEC NEXTBLK AI
JOB BPBPHCRN
0001



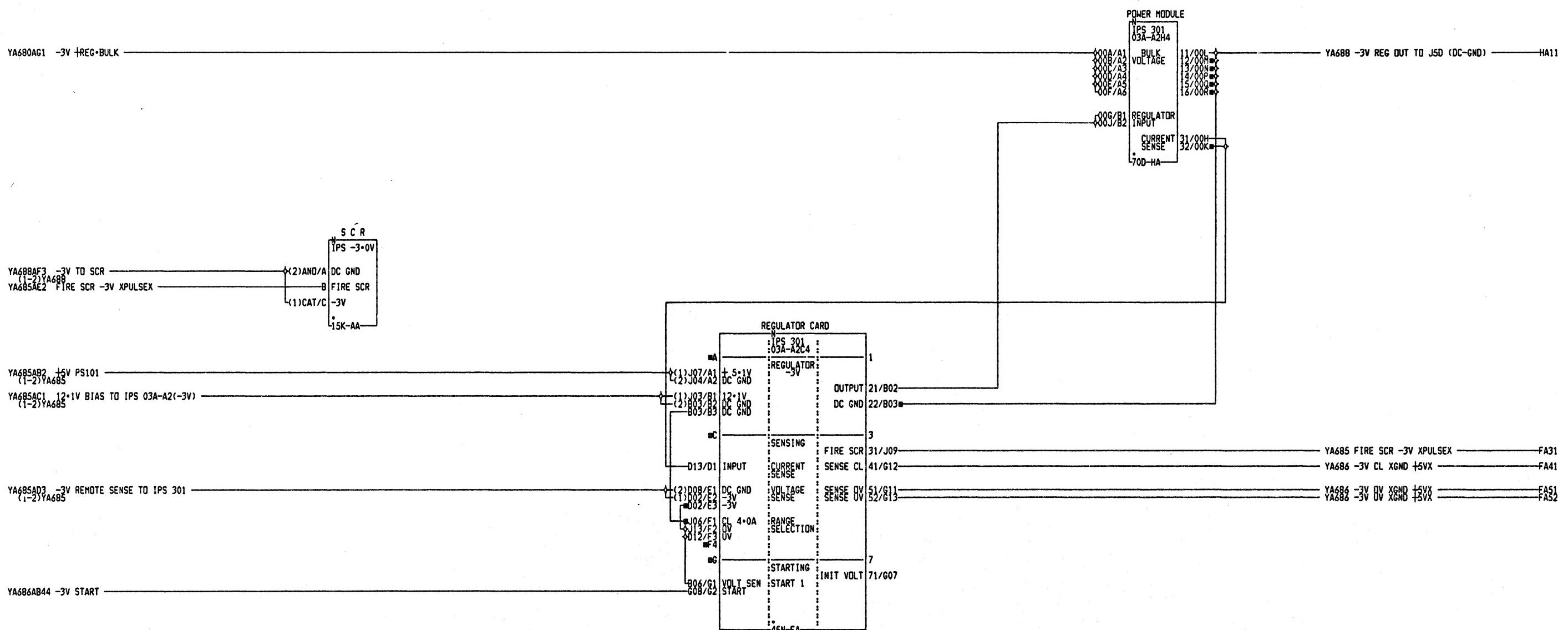
COMMENTS

A 9
20001 B1 (C) COPYRIGHT
20002 INTERNATIONAL BUSINESS
20003 MACHINES CORPORATION
20004 1980

0001 4 MACHINES CORPORATION
5 1980

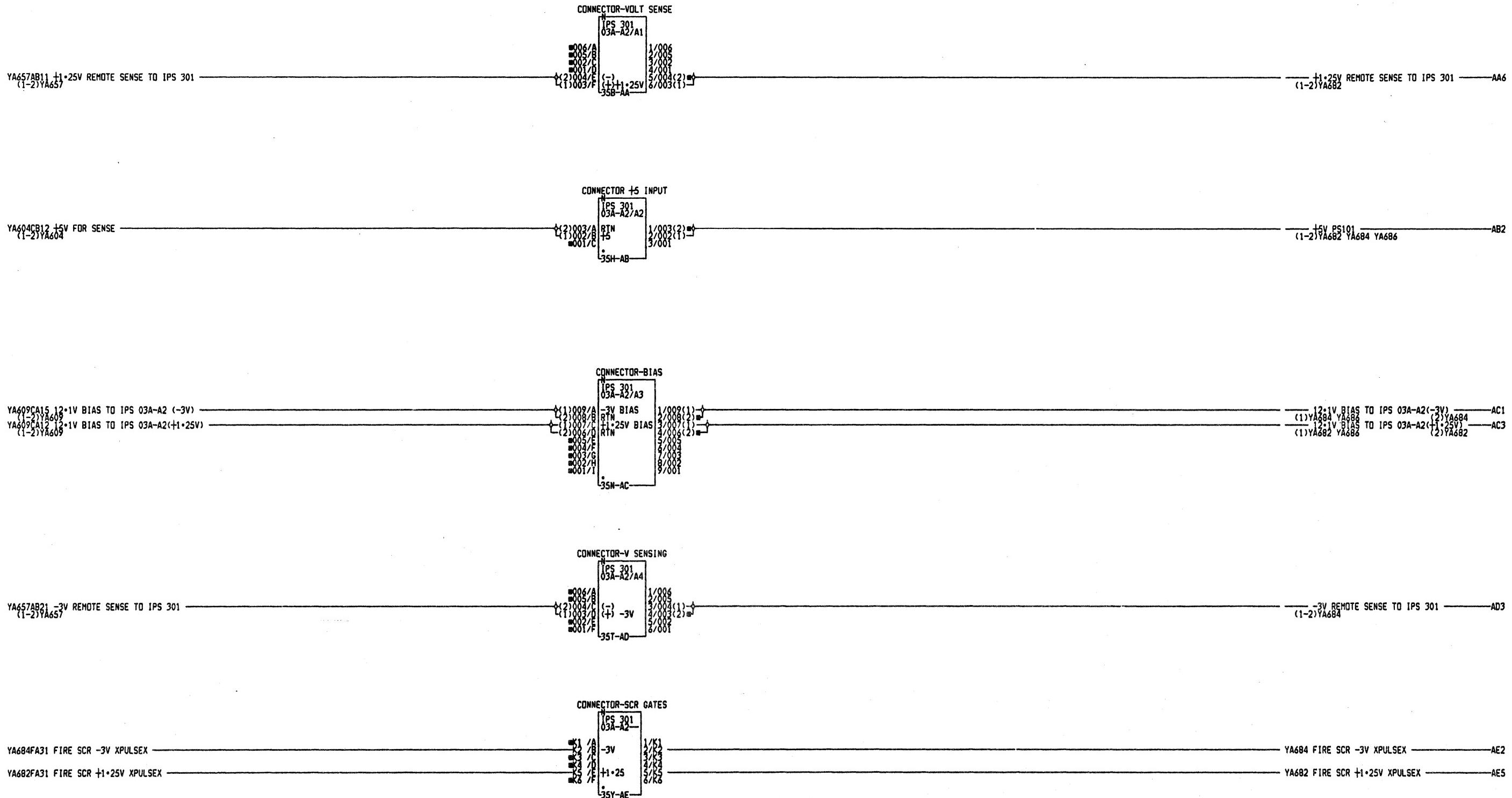
**INTEGRATED POWER SYSTEM
+1.25V REG
CTCA**

00002 PRI=20AUG81 09
M=KSEC SEC
CIDPWCR NEXTBLK HB
JOB BP@PWCR



COMMENTS
 A1 PN=379022
 EC=873533
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 B1 (C) COPYRIGHT
 INTERNATIONAL BUSINESS
 MACHINES CORPORATION
 1980
 0001

INTEGRATED POWER SYSTEM <IPS>
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 LDC=
 USN 00001 PRI=100CT80 1608
 AUC=
 PFORM-KSEC SEC=NEXTBLK HB
 CID CIDPHCR CID PHCR
 0001



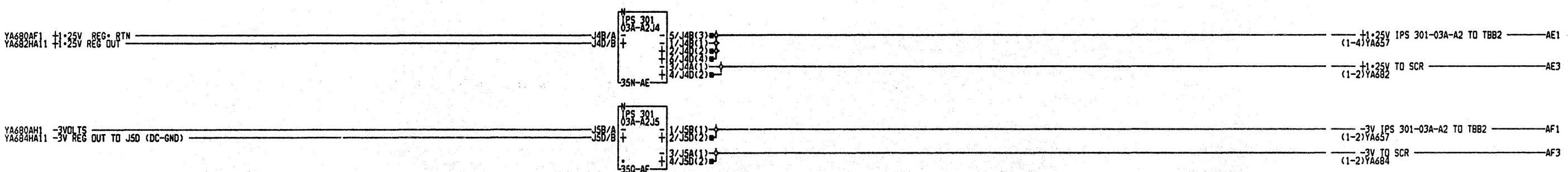
COMMENTS

A1 PN-379033
EC-873393

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
0001 5 1980

INTEGRATED POWER SYSTEM
CTCA

LOC= USN 00001 PRI=10OCT80 1608
AUC= SEC
PFORM=KSEC NEXTBLK AF
CID CIDPWCN JOB BPnPWCN
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—COMMENTS—

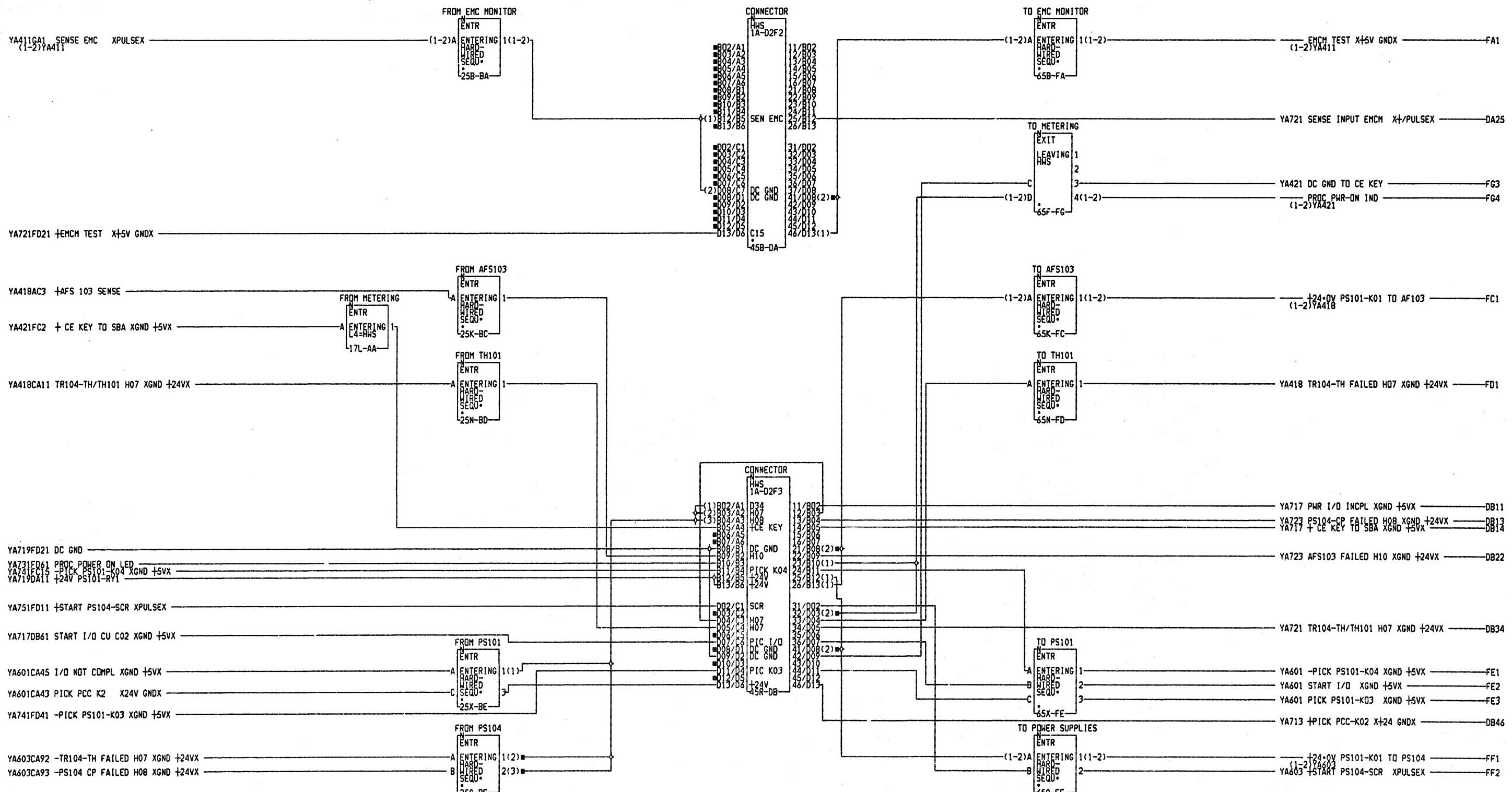
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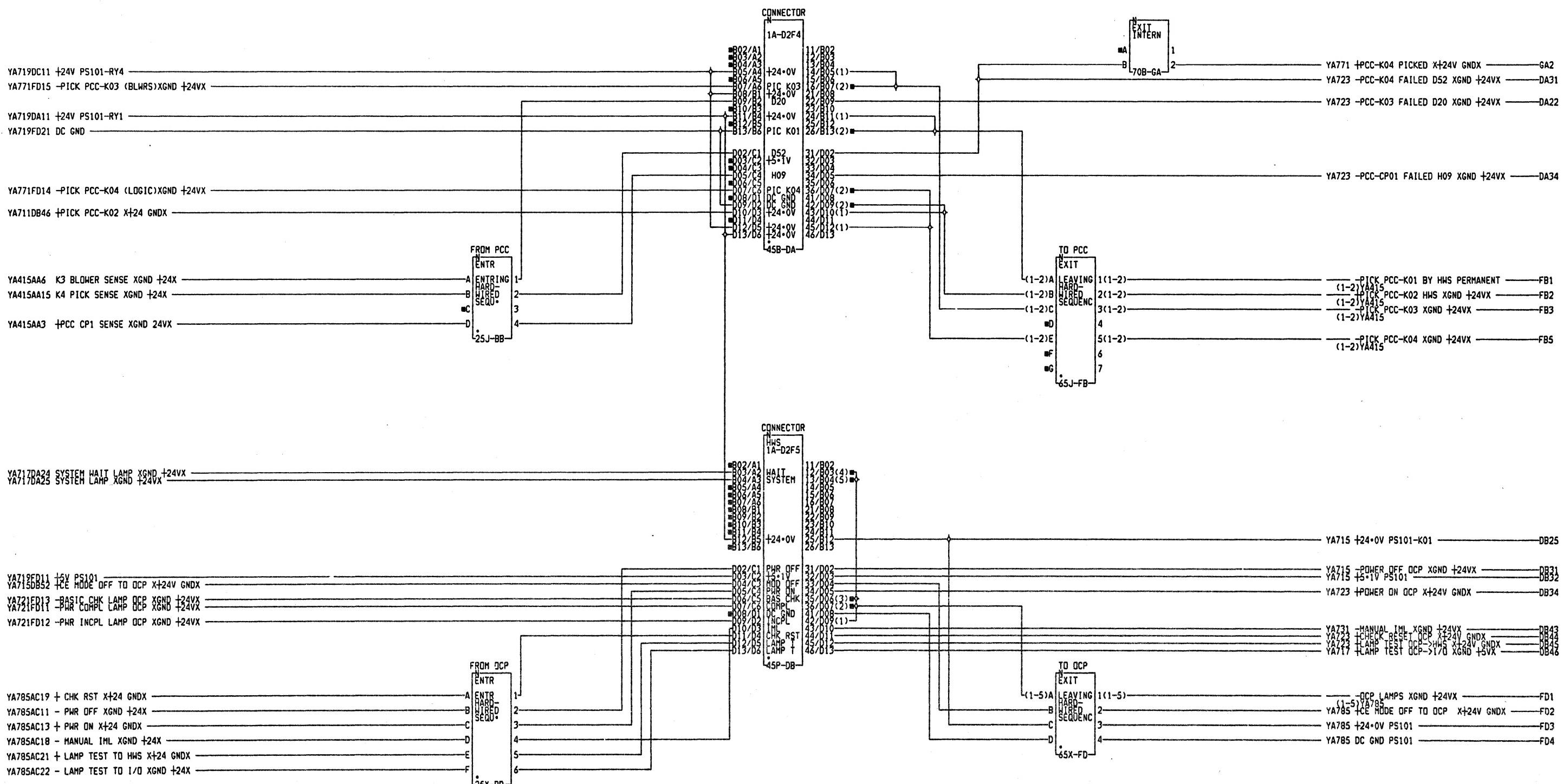
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3 (C) COPYRIGHT
4 INTERNATIONAL BUSINESS
MACHINES CORPORATION
D1 5 1980

001 5 1980

INTEGRATED POWER SYSTEM CTCA

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00001 PRI=100CT80 1608
RM=KSEC SEC
CIDPWCR NEXTBLK AG
JOB BPApWCRN
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COMMENTS

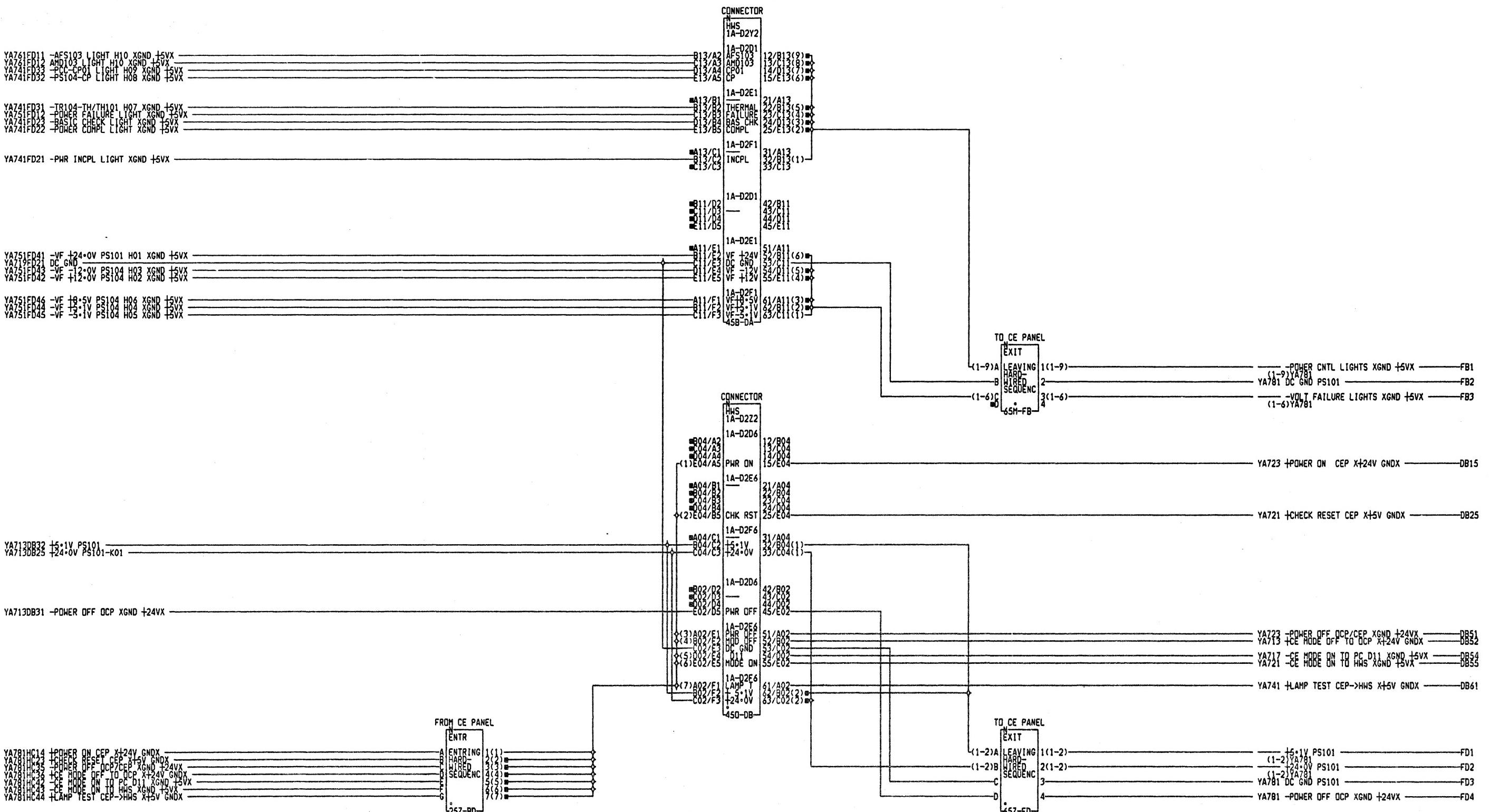
A1 PN=379078
EC=873594

B1 (C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
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HARDWIRED SEQUENCES <HWS>
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LOC= USN 00002 PRI=20AUG81 0935
AVC= PFORM=KSEC SEC=NEXTBLK GB
CID CIDPWR CIDPWR JOB BP#PWRCR
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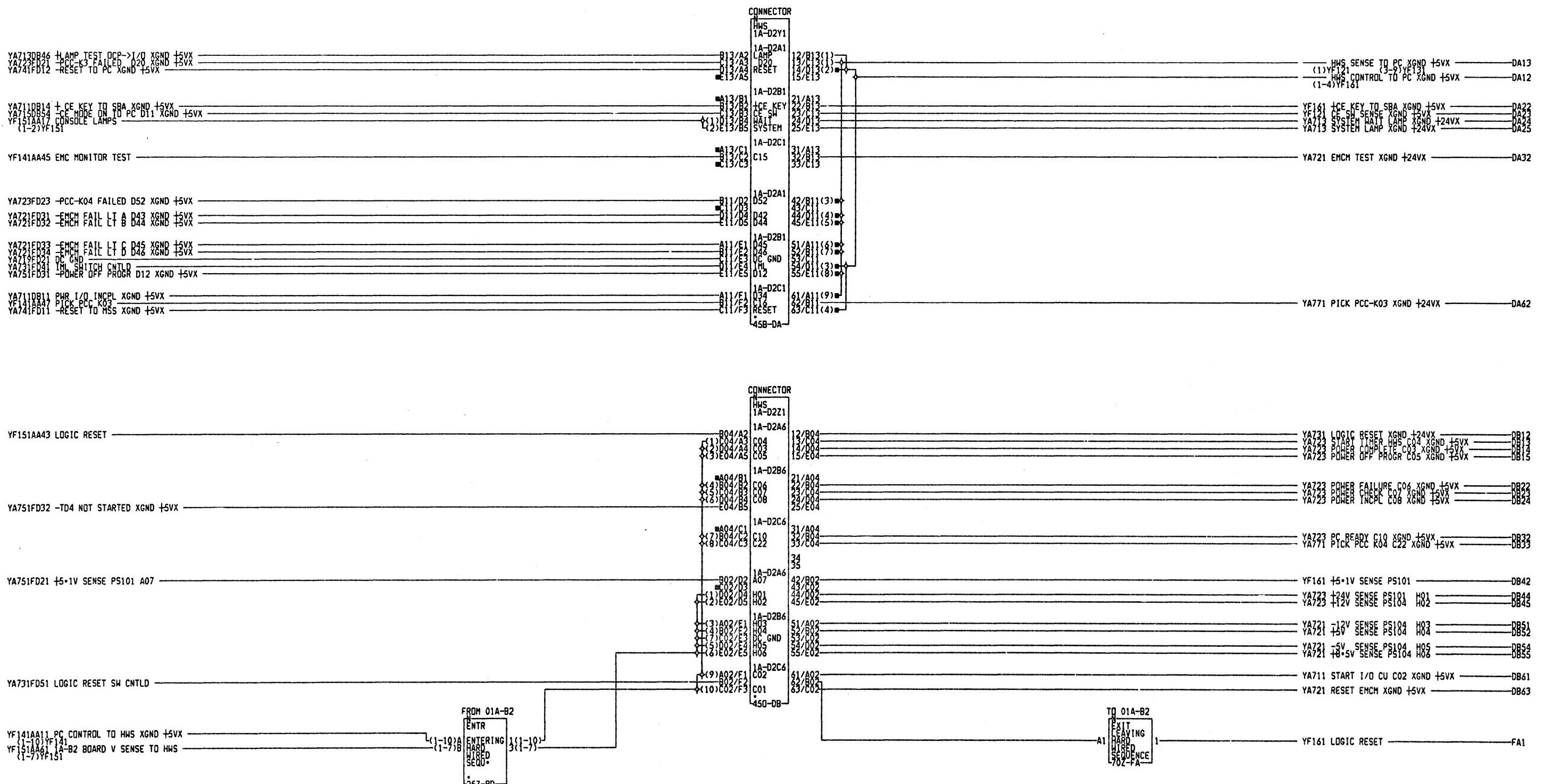


COMMENTS

A1 PN=379039
EC=873593

B1 (C) COPYRIGHT INTERNATIONAL BUSINESS MACHINES CORPORATION
5 1980

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A1 PN=379040
EX=873593
EX=873594

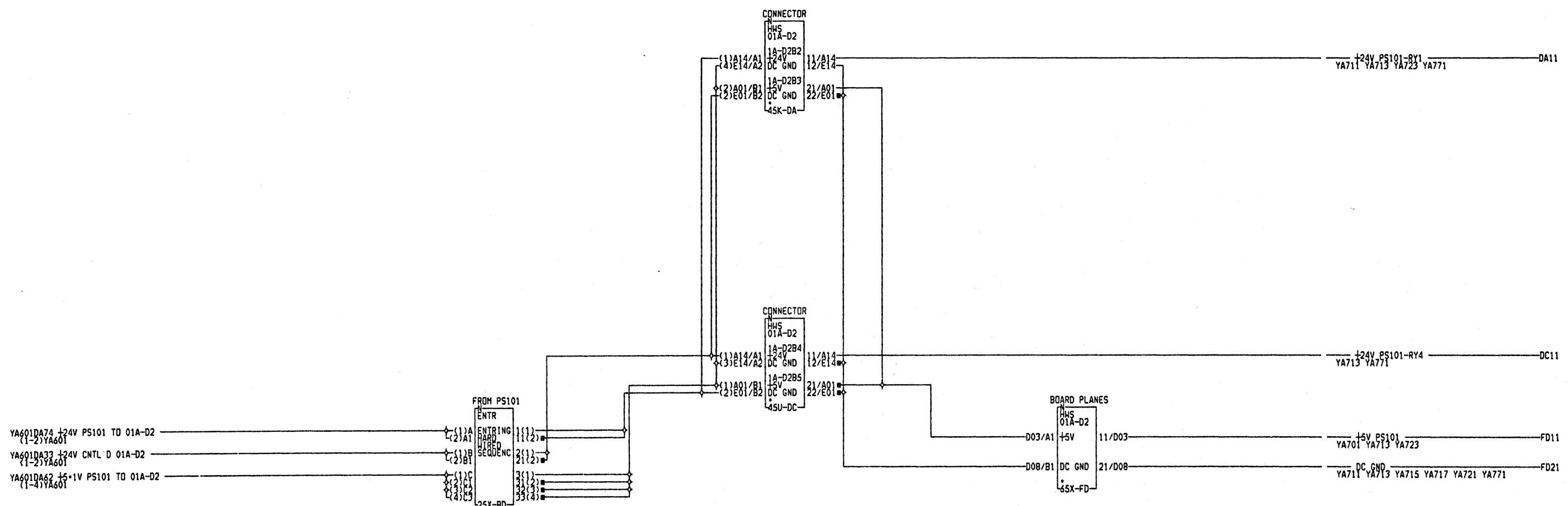
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~~ARDWIRED SEQUENCE <HW>~~
~~INTERCONNECTIONS TO~~
~~POWER CONTROLLER~~

0002 PRI=20AUG81 0935
KSEC SEC NEXTBLK FB
IDPWCR JOB BP#PWCR



COMMENTS

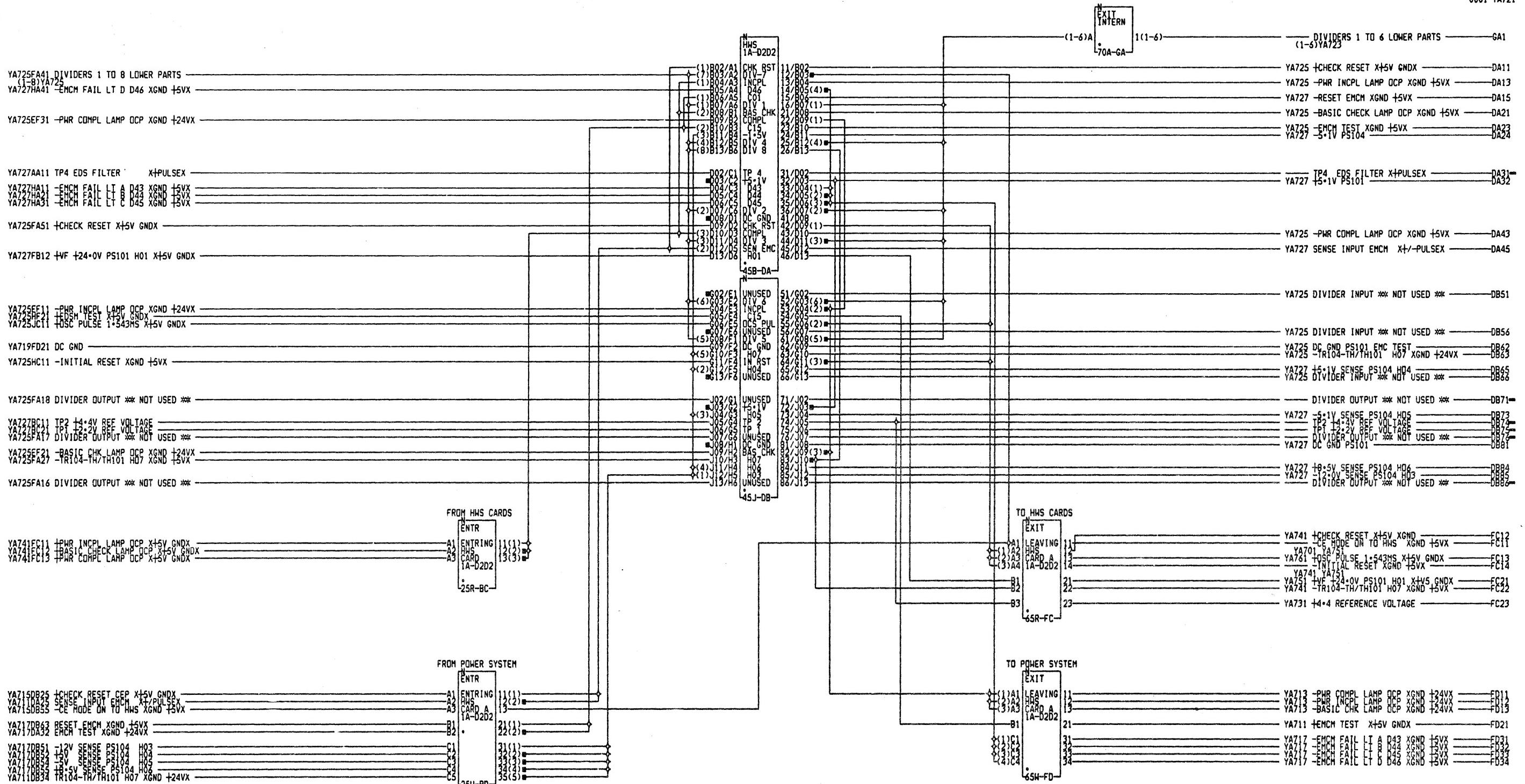
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EC=873593
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B1 (C) INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1980

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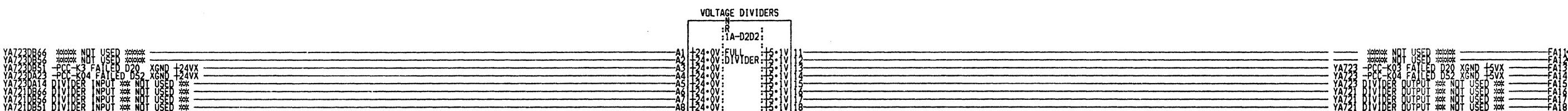
HARDWIRED SEQUENCE <HWS>
POWER TO BOARD VIA-D2

LOC= USN 00002 PRI=20AUG81 0935
AUC= SEC
PFORM=KSEC NEXTBLK FE
CID CIDPHCR JOB BP#PWRC
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COMMENTS
 A1 PH-379042
 EC-873593
 B1 (C) COPYRIGHT
 INTERNATIONAL BUSINESS
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HARDWIRED SEQUENCE <HWS>
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 AUC-
 PFORM-KSEC SEC NEXTBLK GB
 CID CIOPWCR JOB BP@PHCRN
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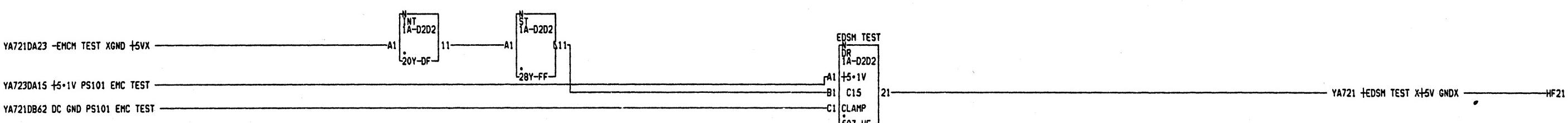
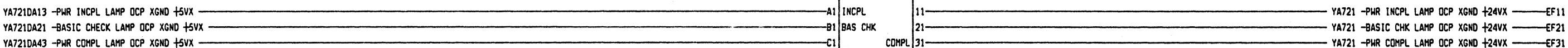
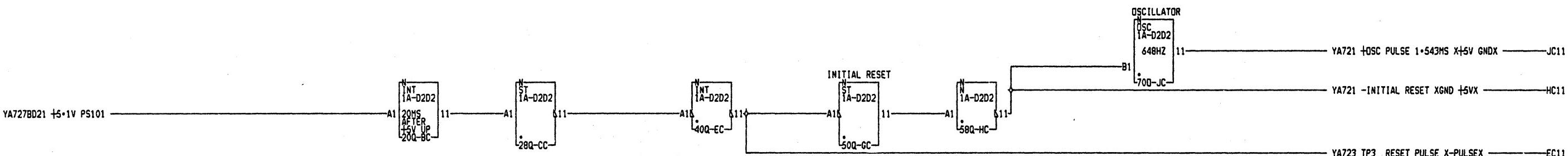
*** NOT USED ***
 *** NOT USED ***
 YA723 -PCC-K03 FAILED D20 XGND +5VX
 YA723 -PCC-K04 FAILED D20 XGND +5VX
 YA723 DIVIDER OUTPUT *** NOT USED ***
 YA723 DIVIDER OUTPUT *** NOT USED ***
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 YA723 DIVIDER OUTPUT *** NOT USED ***

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INTEGRATORS 1 TO 8
 (1-8) YA723 FA31

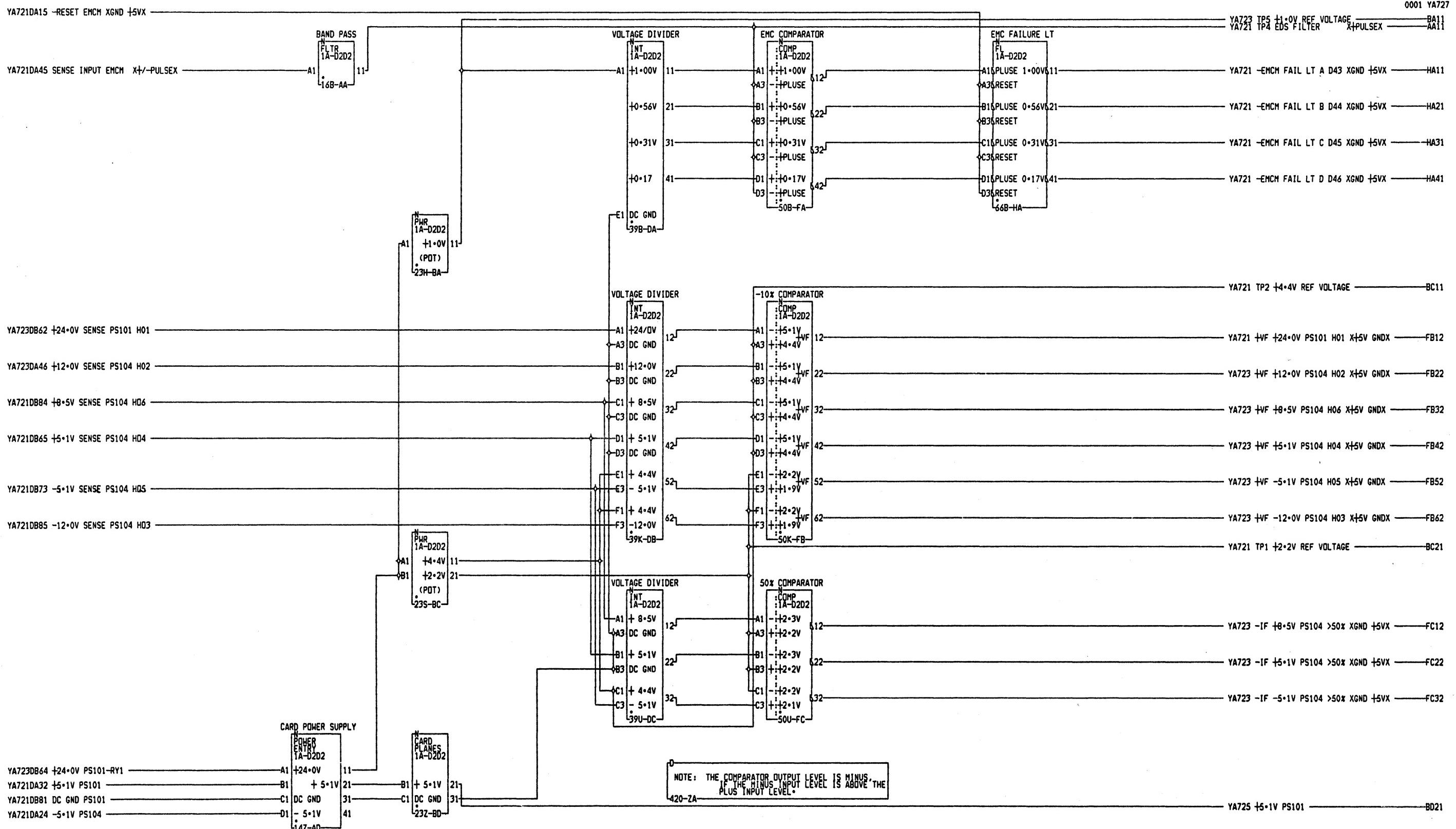
DIVIDERS 1 TO 8 LOWER PARTS
 (1-8) YA721 FA41

YA721DA11 +CHECK RESET X+5V GNDX E1 YA721 +CHECK RESET X+5V GNDX FA51



COMMENTS
 A1 PN=379044
 EC=873593

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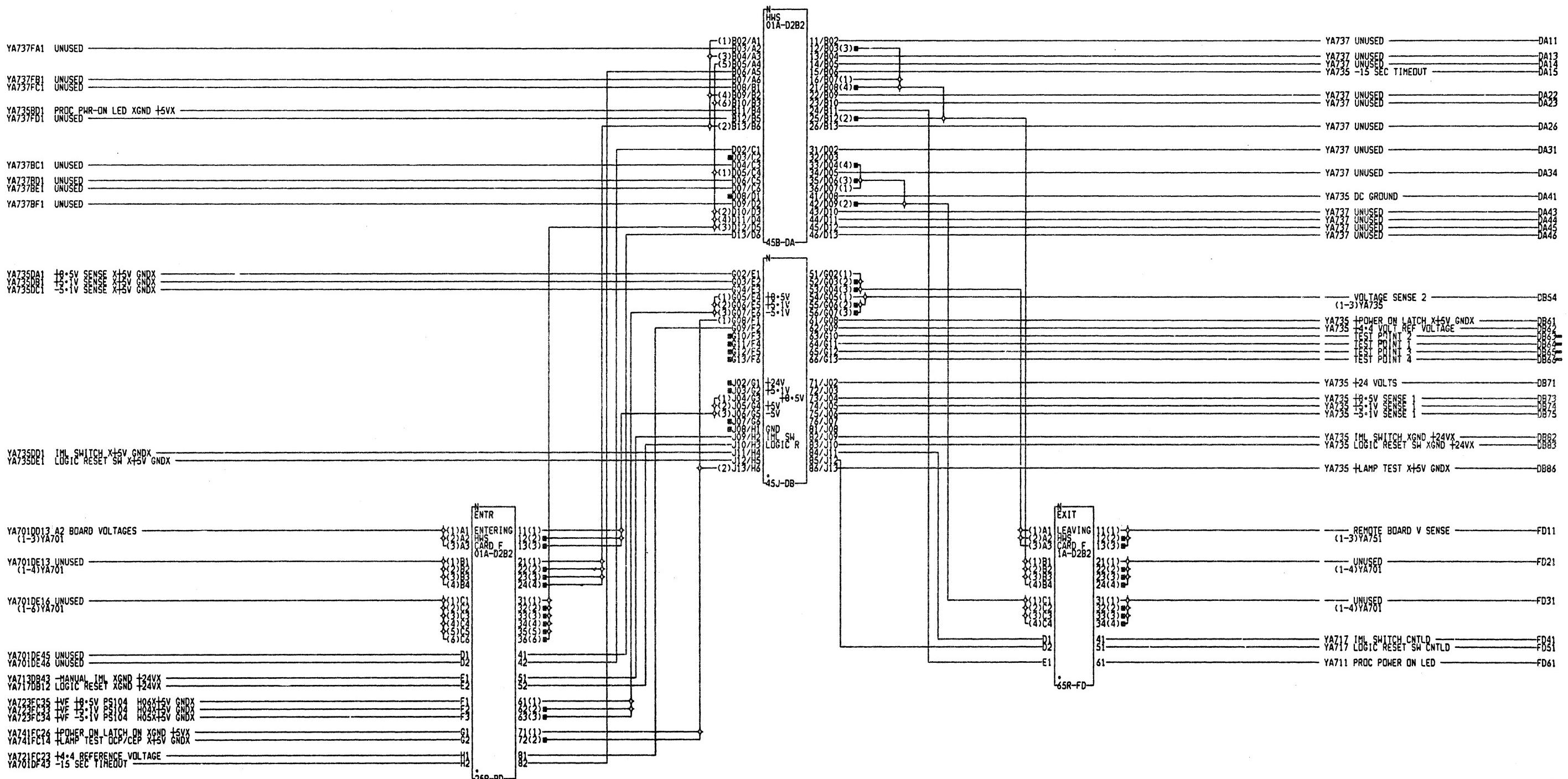


**NOTE: THE COMPARATOR OUTPUT LEVEL IS MINUS
IF THE MINUS INPUT LEVEL IS ABOVE THE
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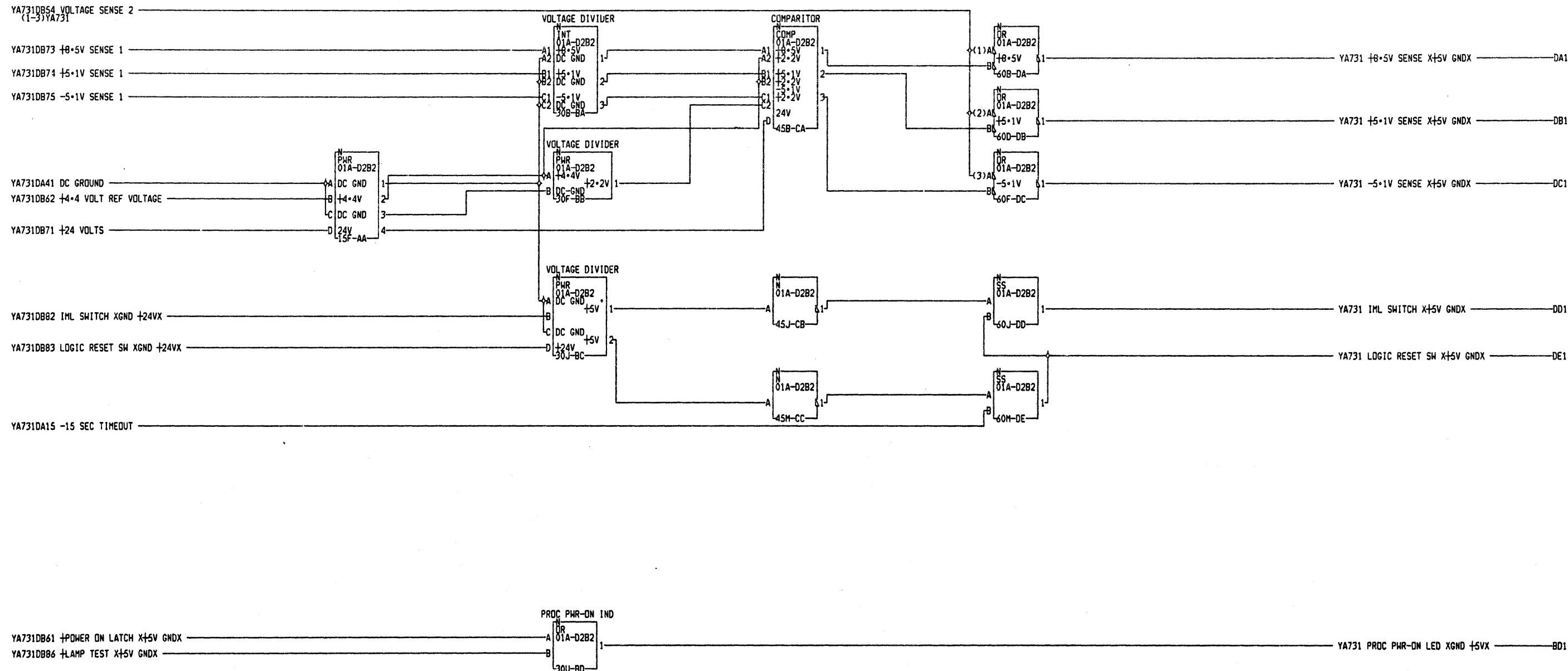
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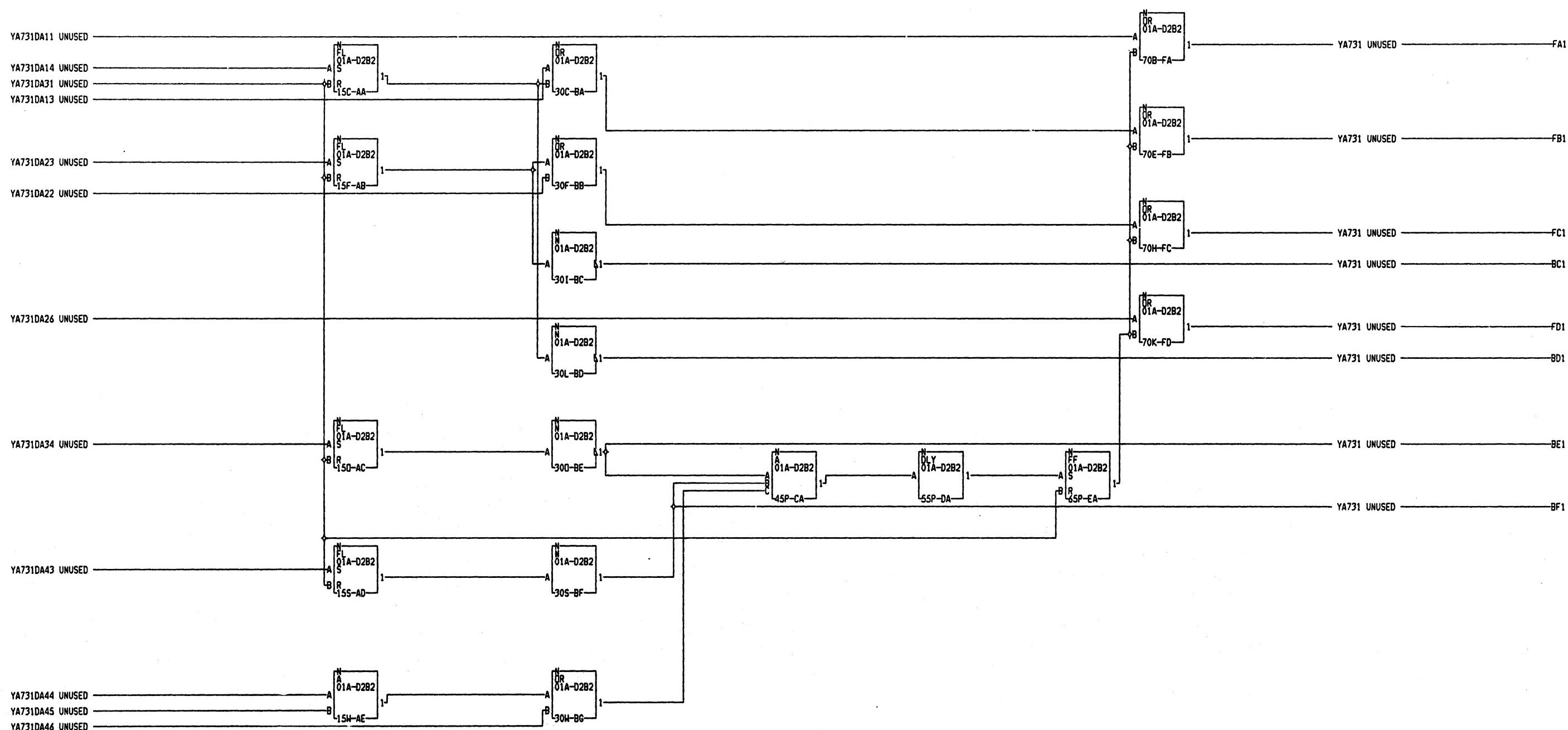


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(C) COPYRIGHT
(INTERNATIONAL BUSINESS
MACHINES CORPORATION

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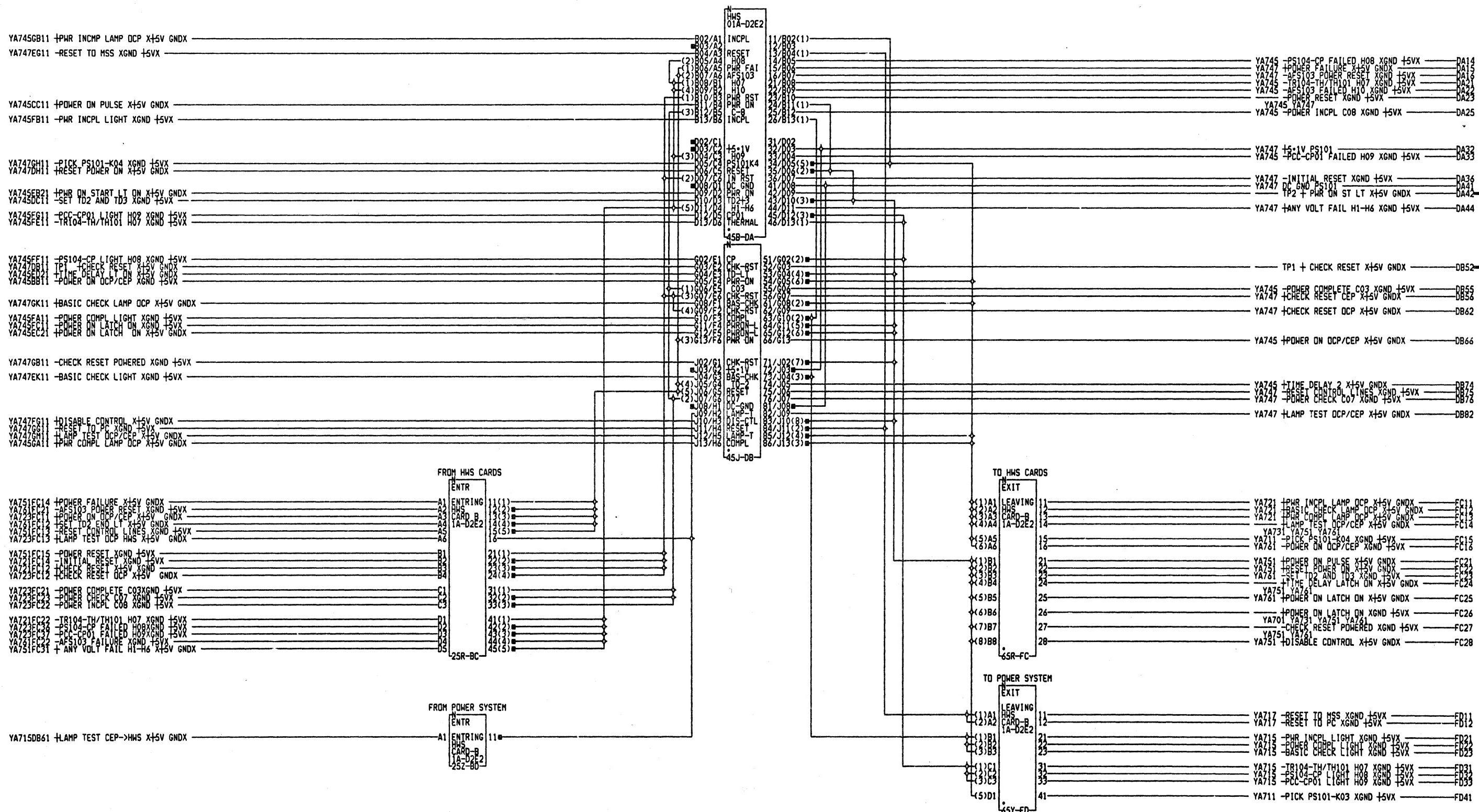
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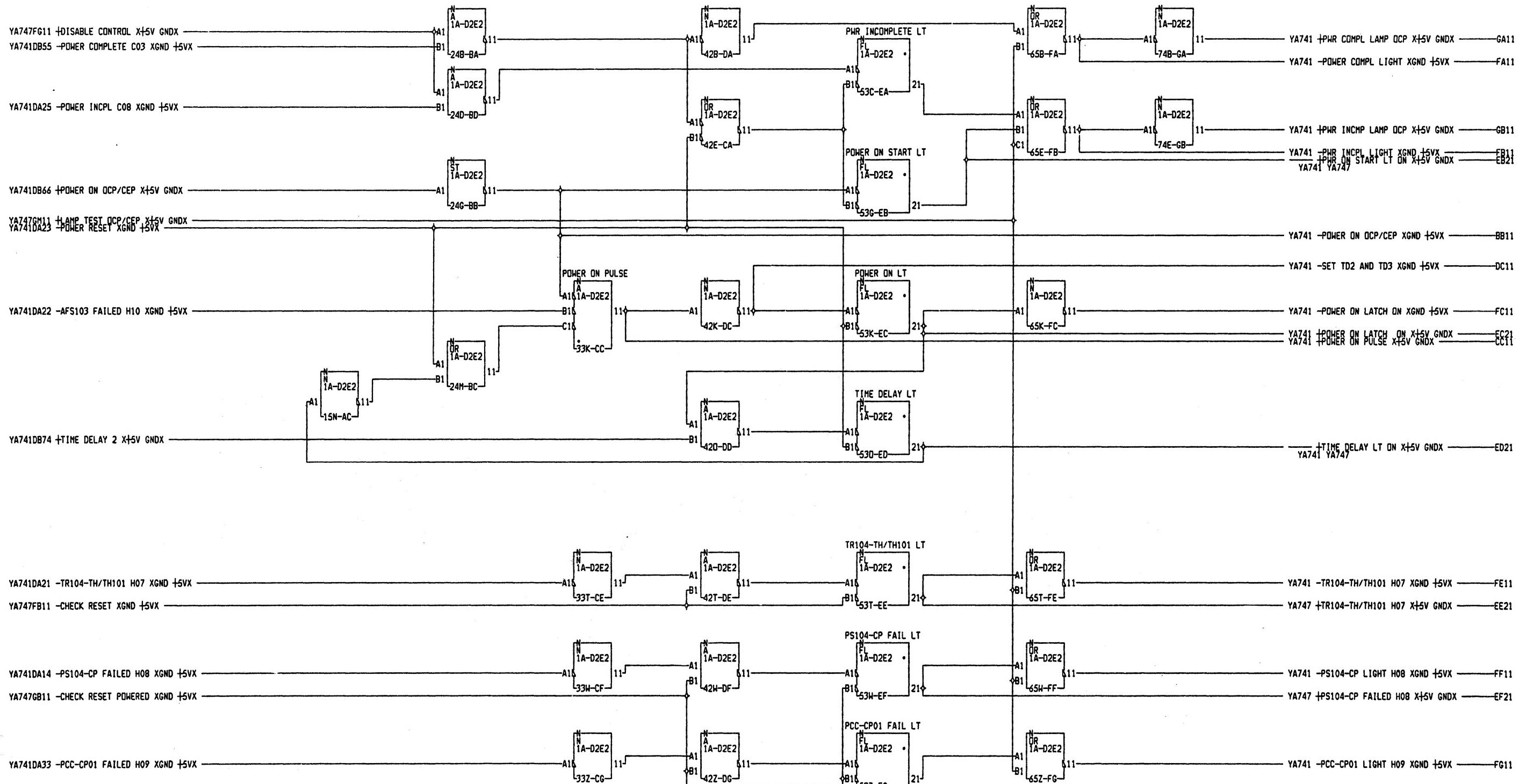


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1 INTERNATIONAL BUSINESS
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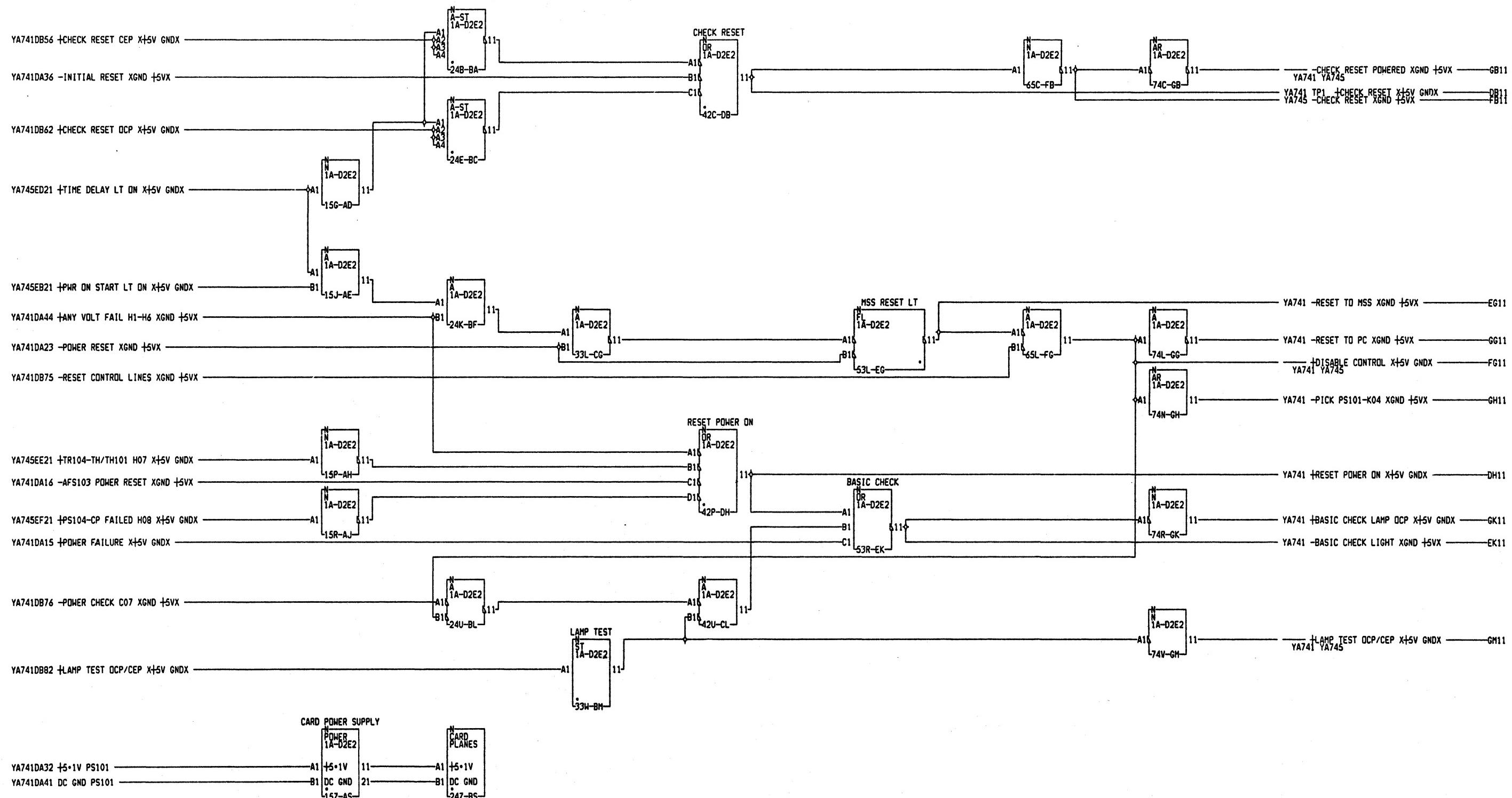
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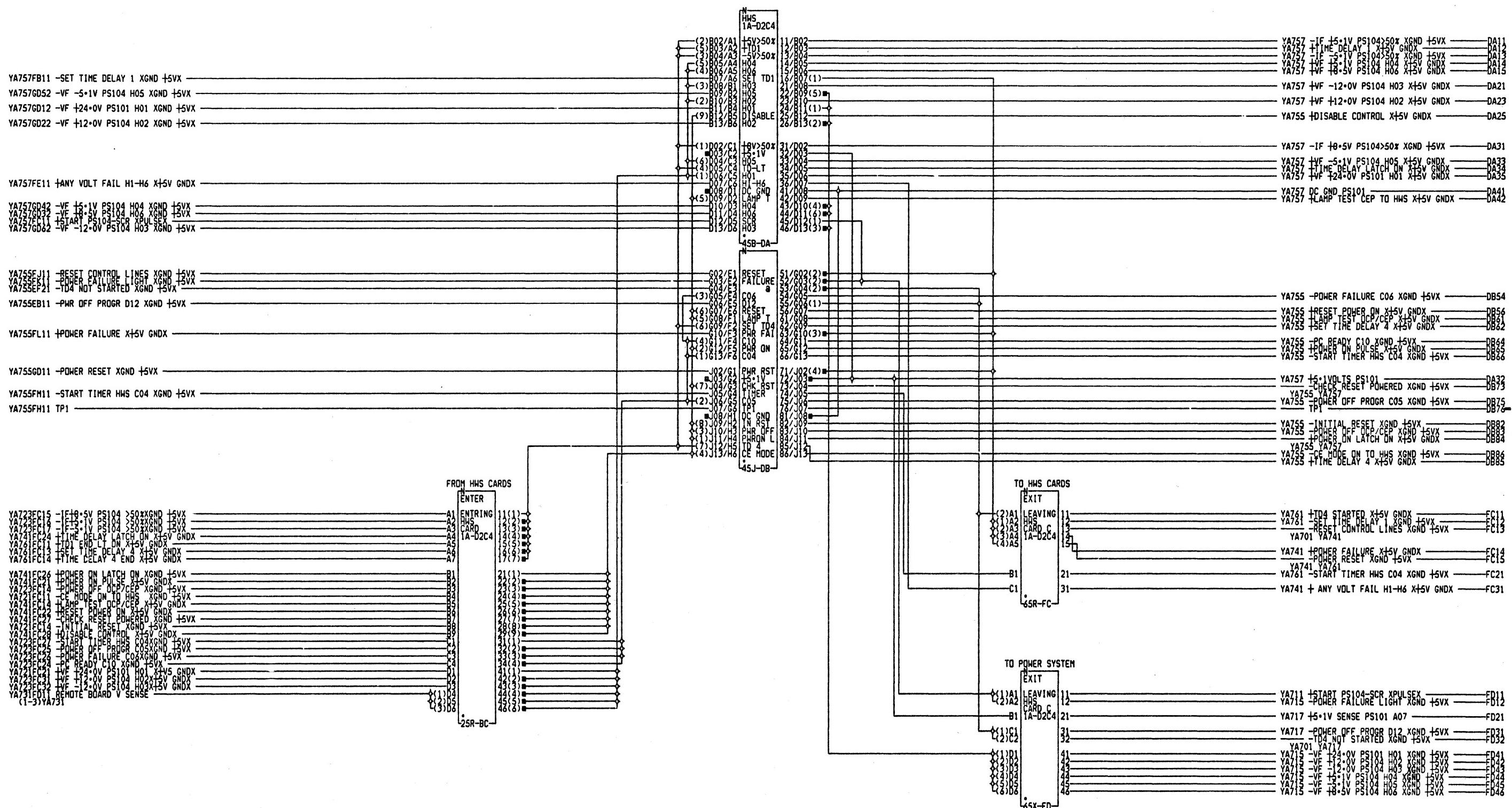
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MACHINES CORPORATION

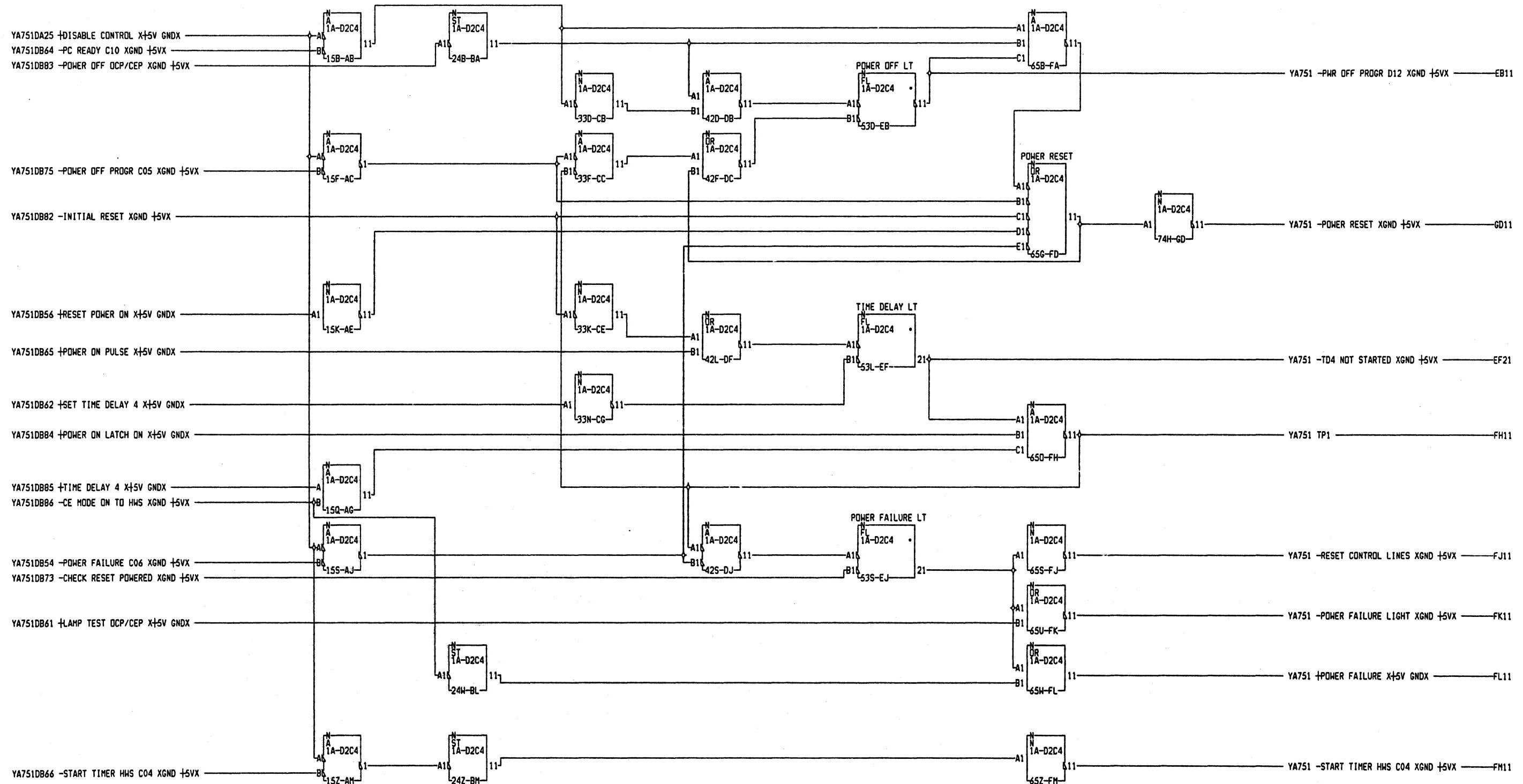
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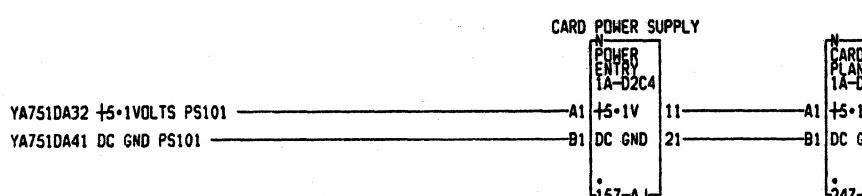
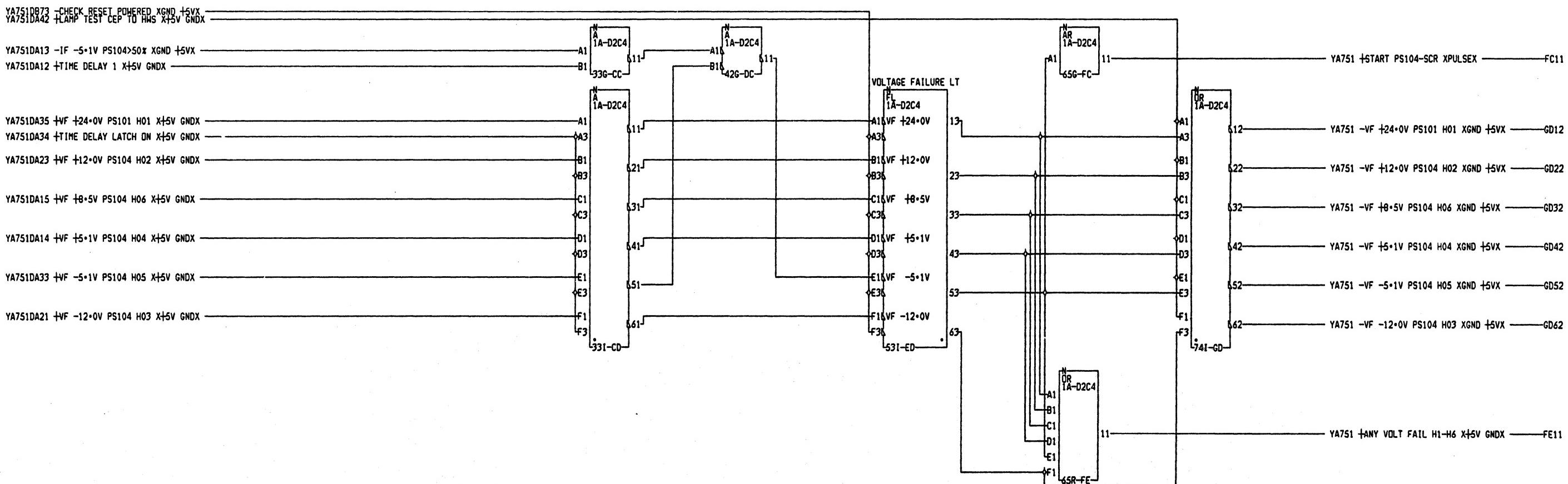
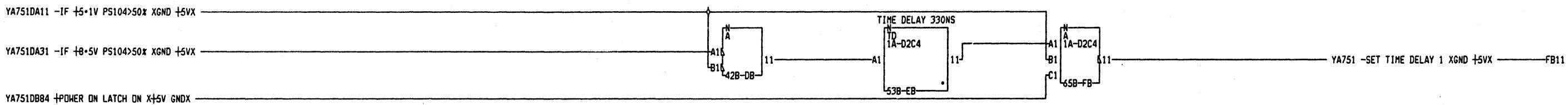


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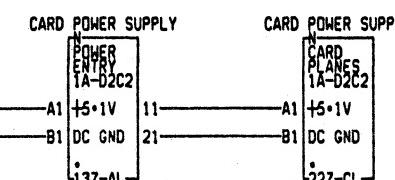
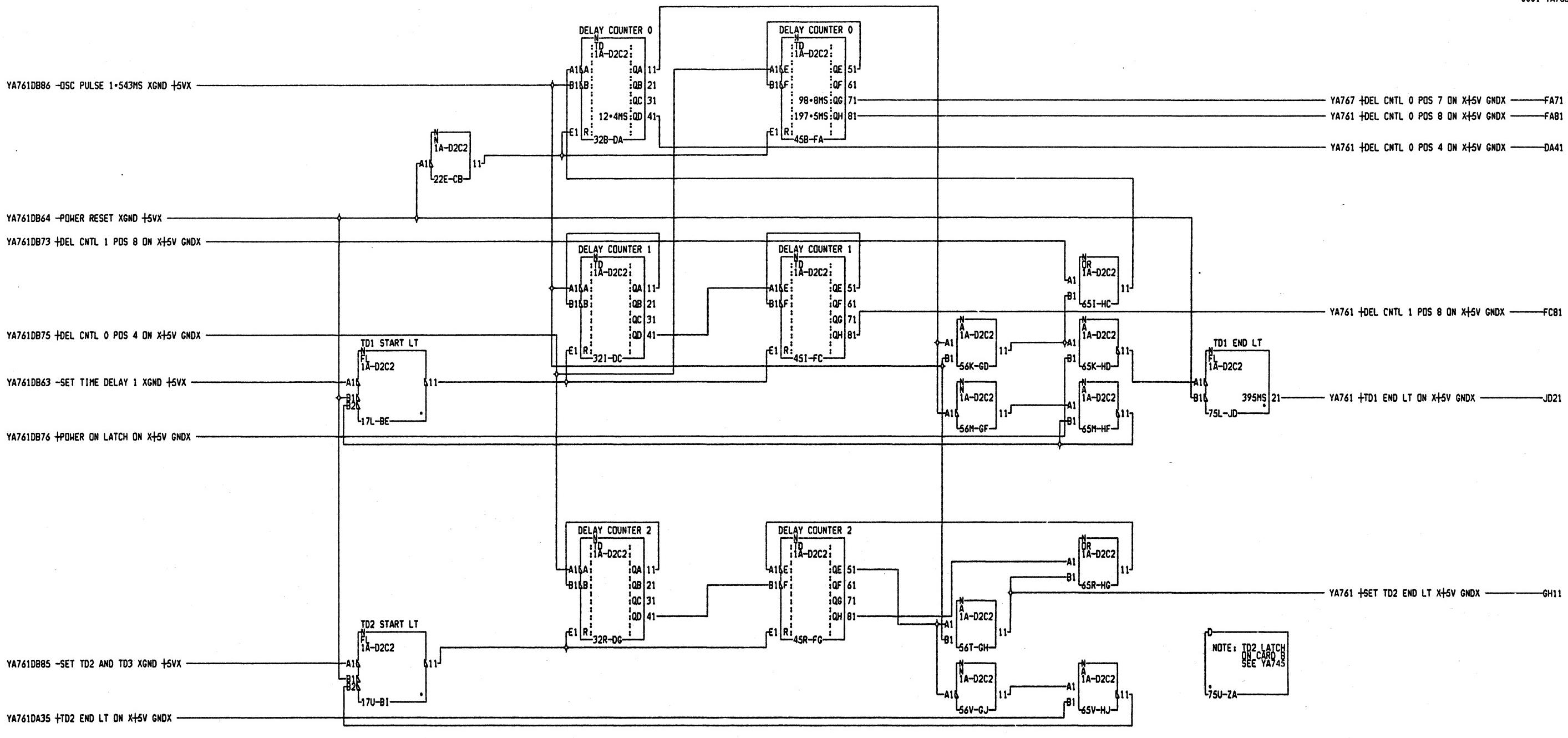
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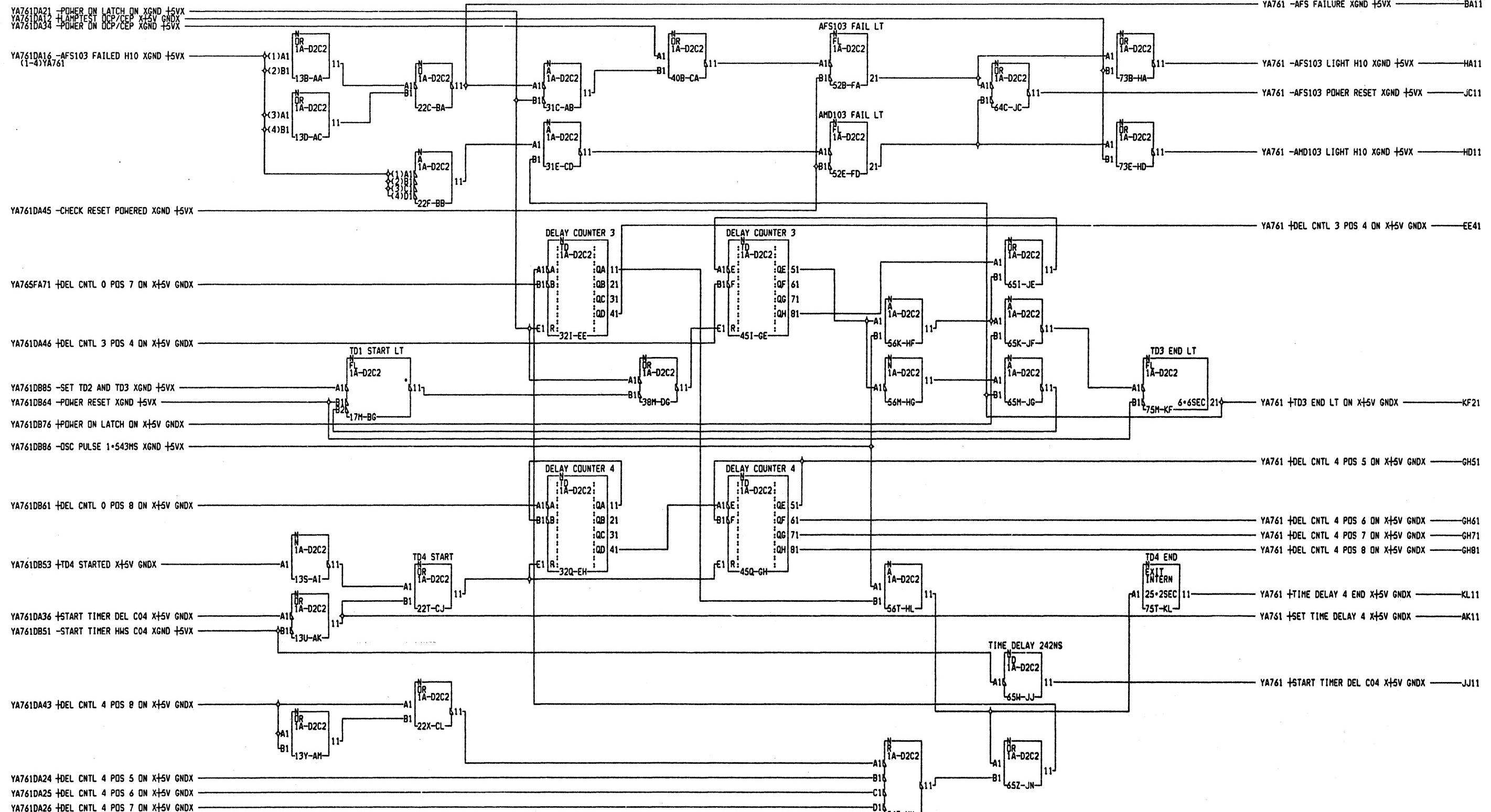
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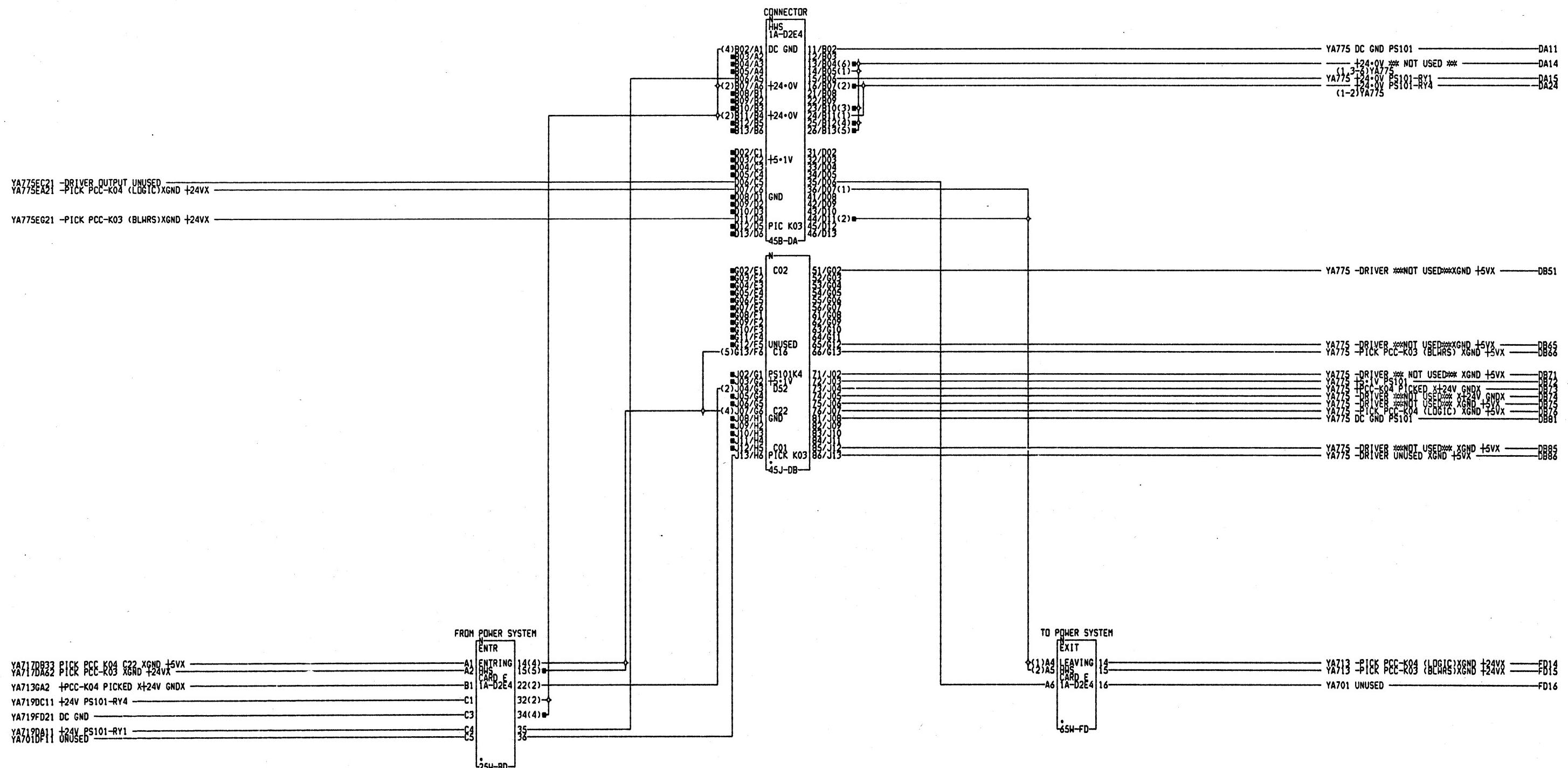
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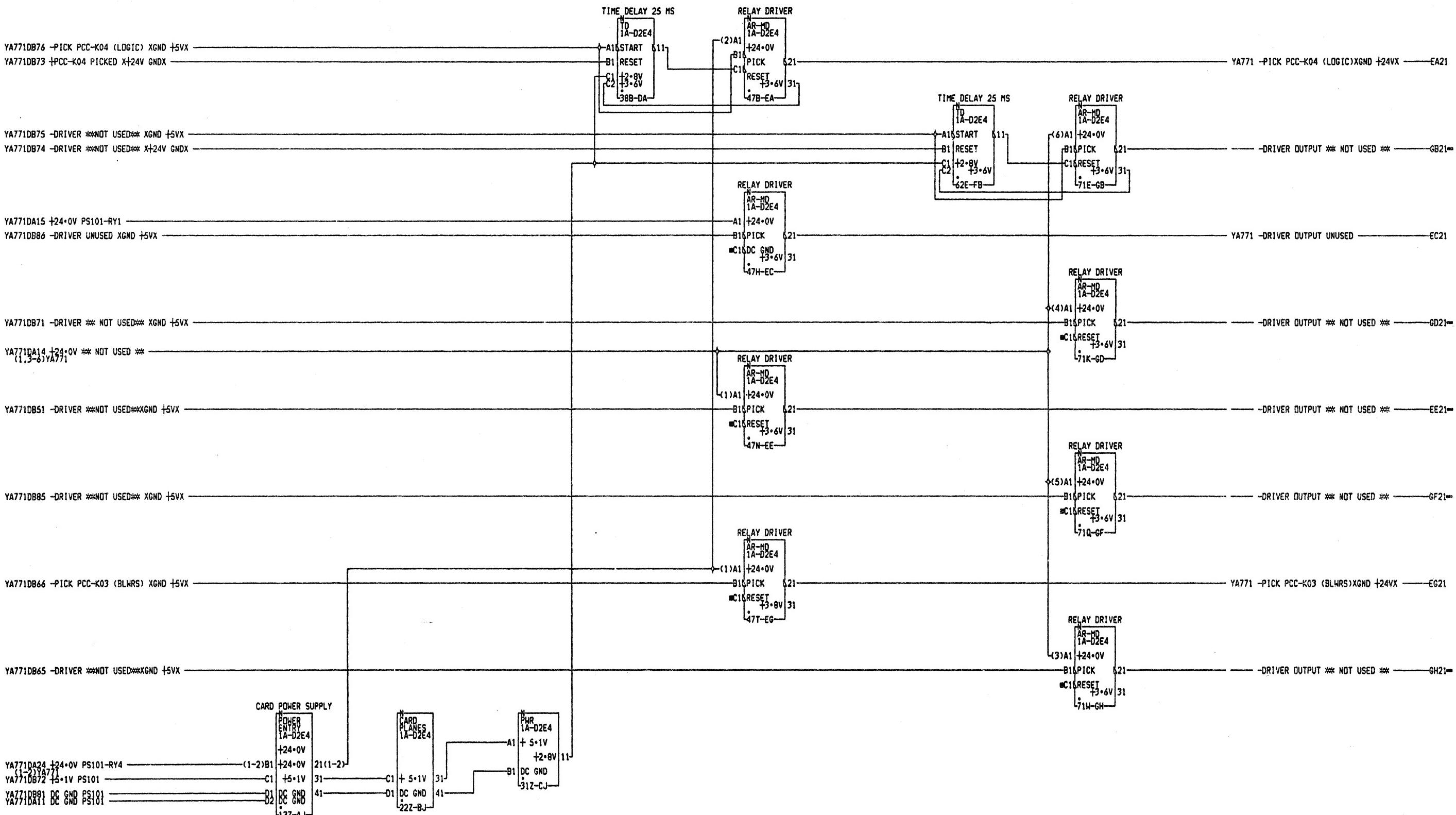
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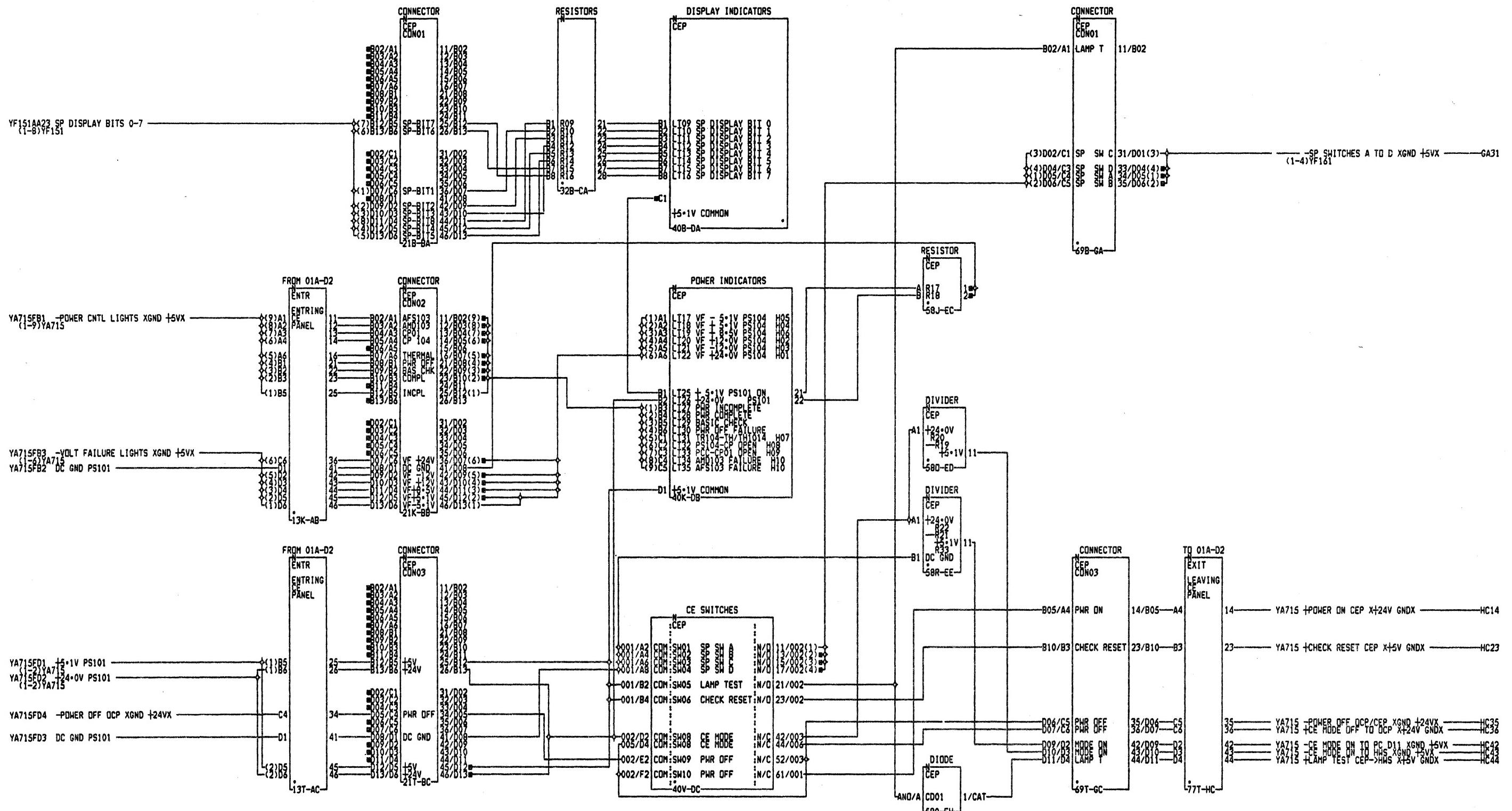


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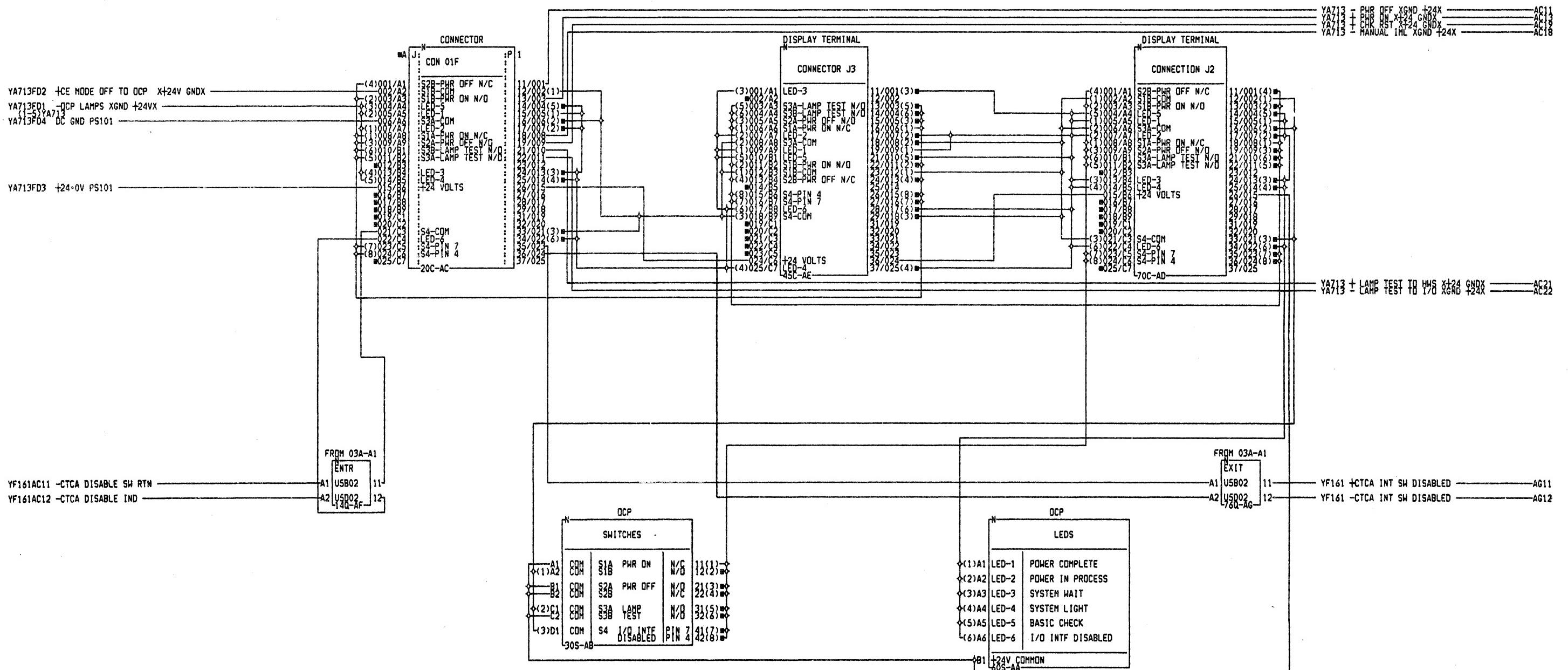
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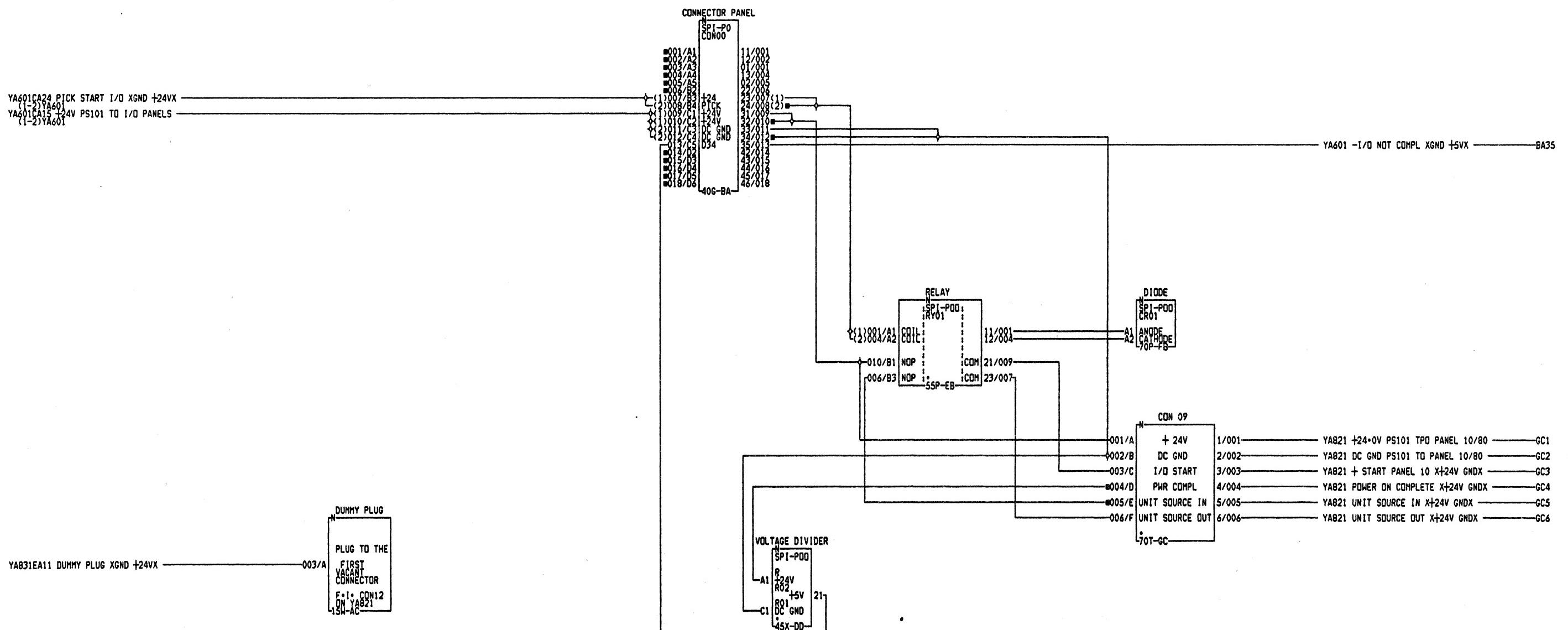


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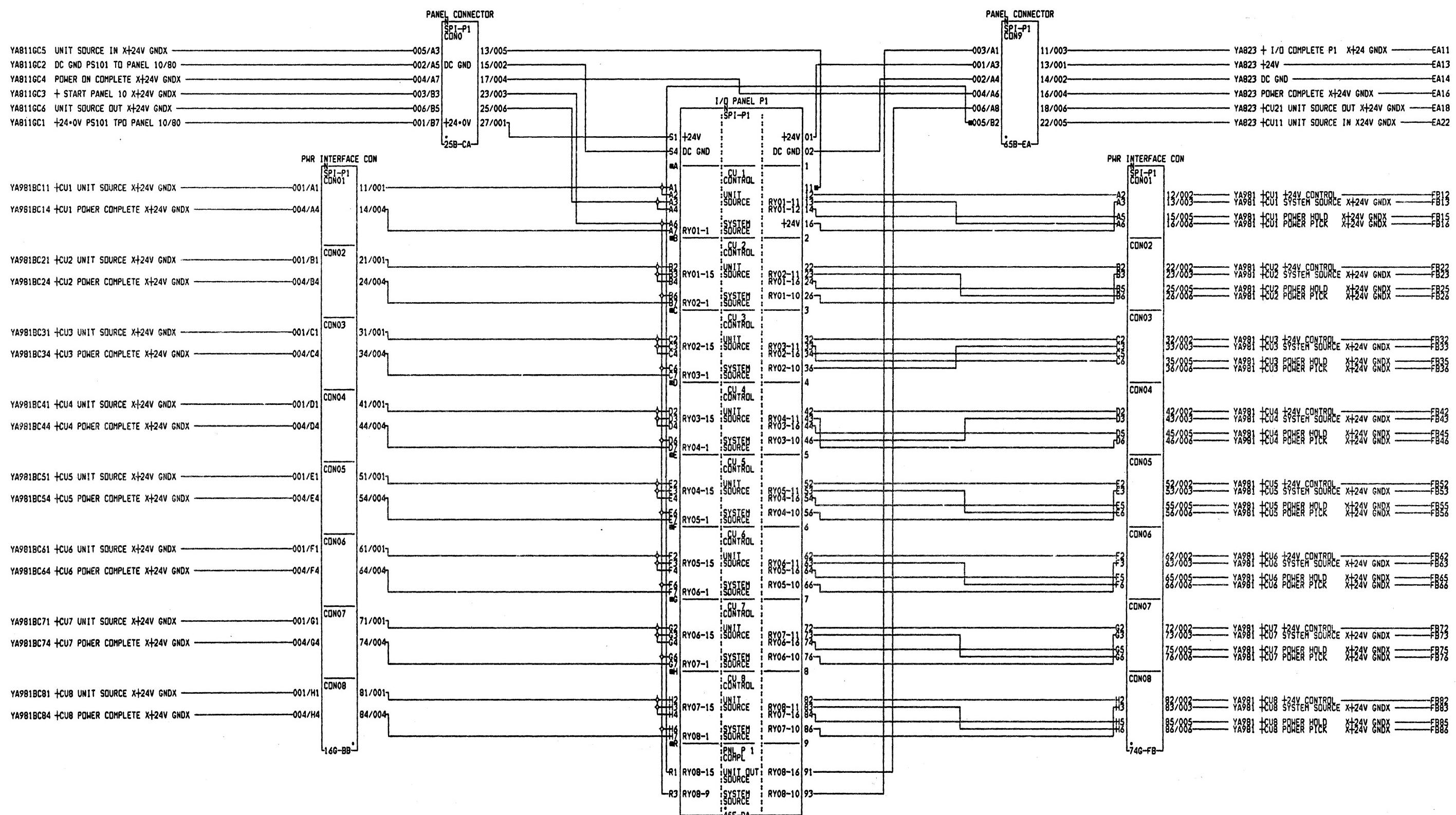
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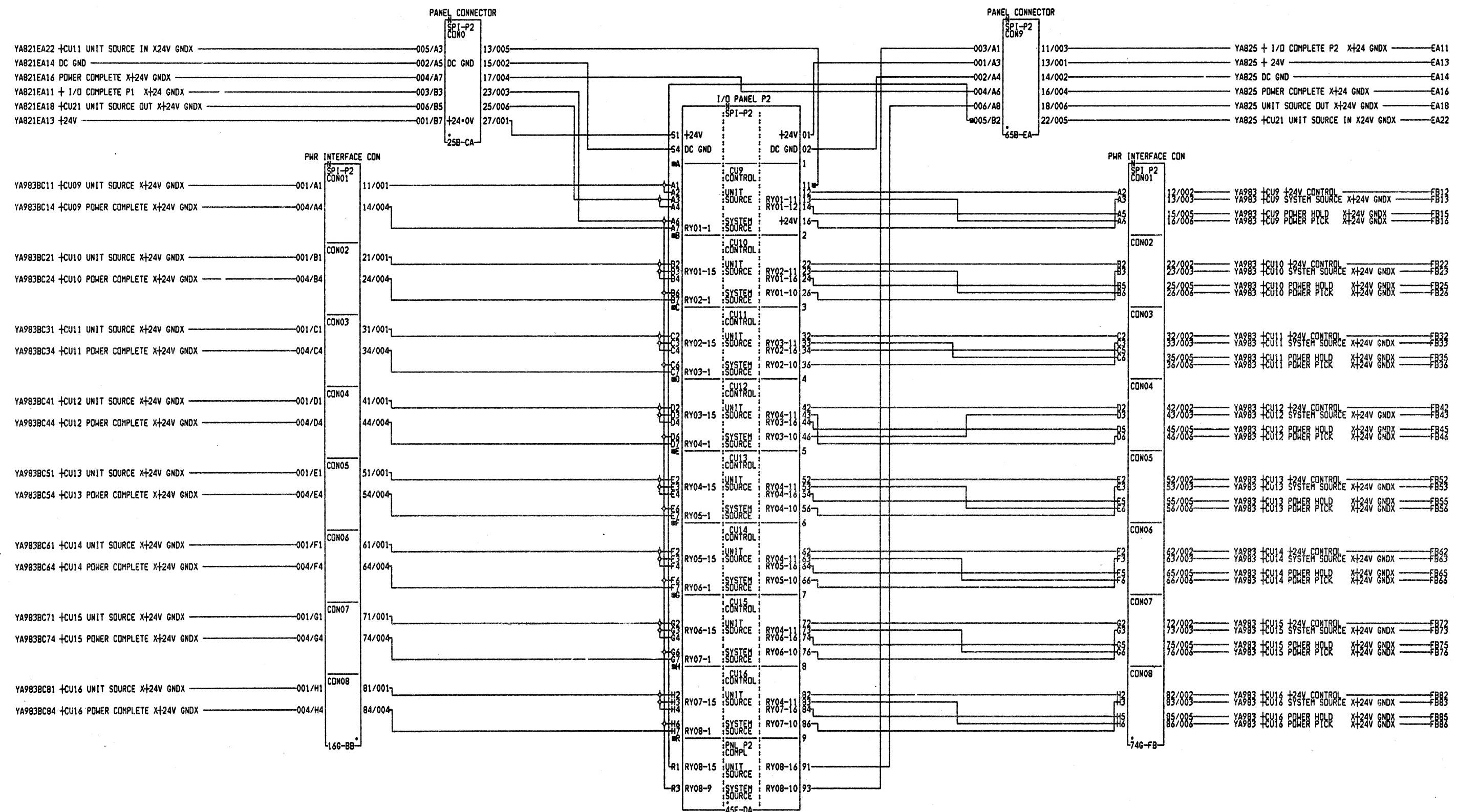




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 (C) COPYRIGHT
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 MACHINES CORPORATION

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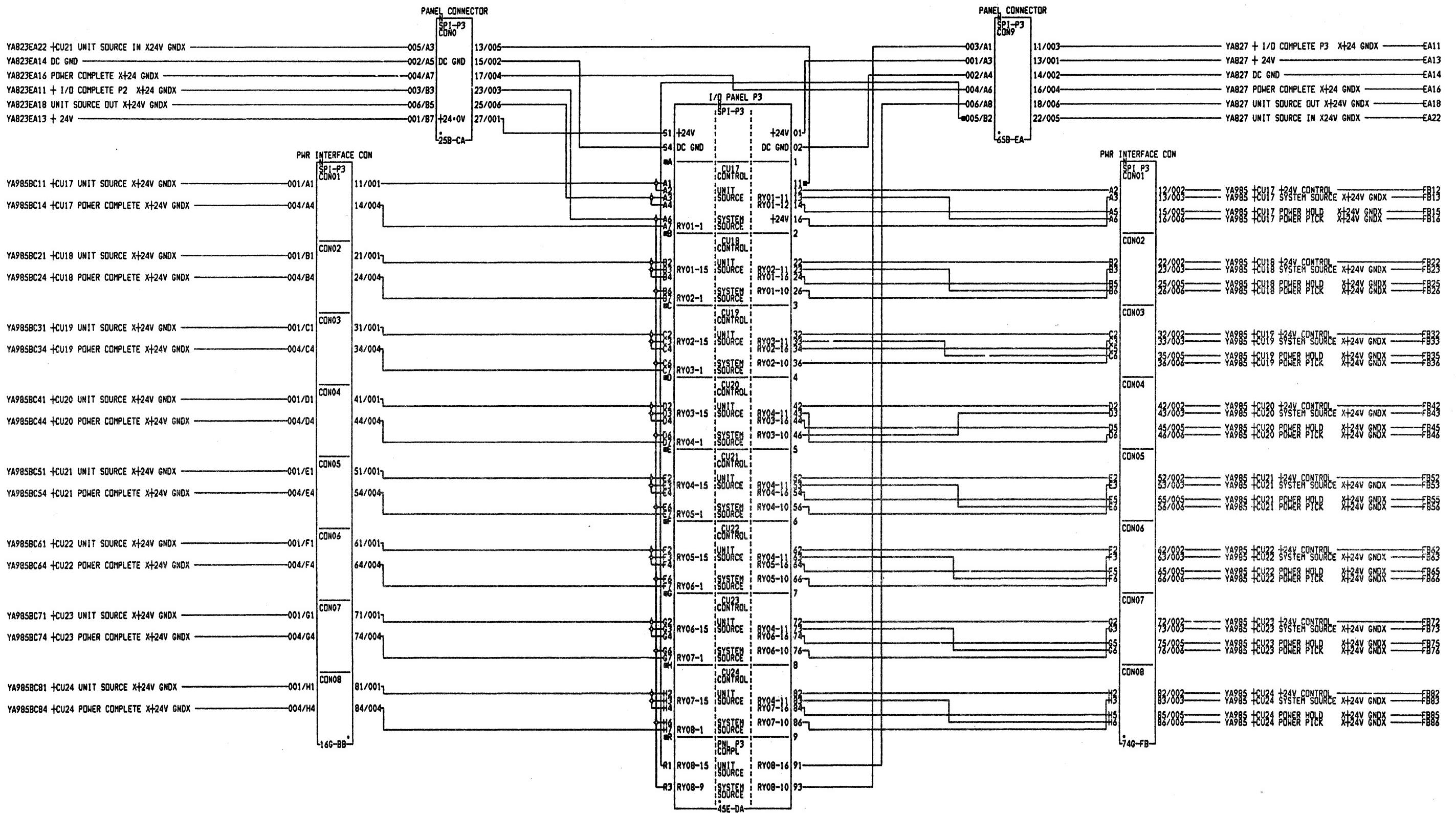


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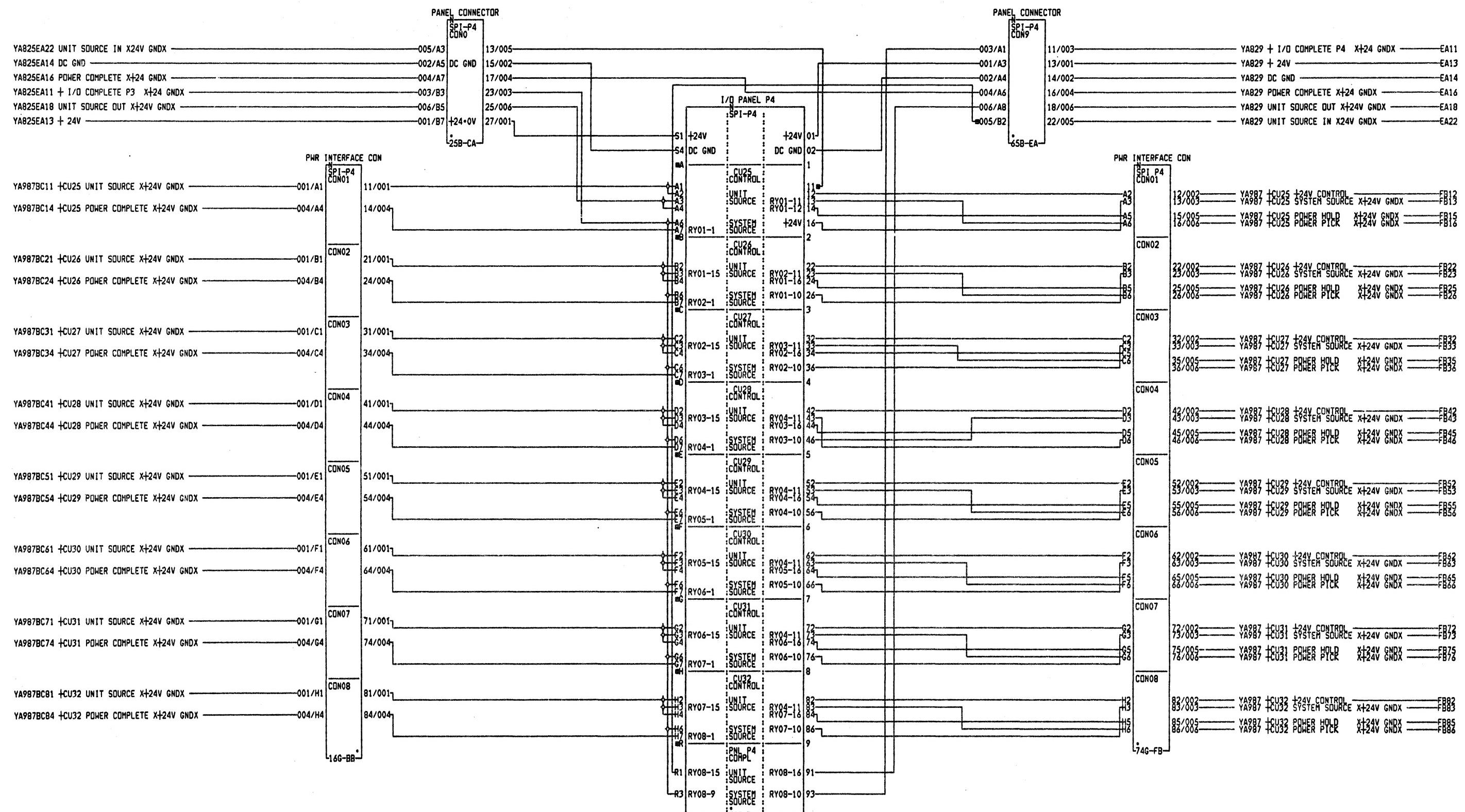
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INTERNATIONAL BUSINESS
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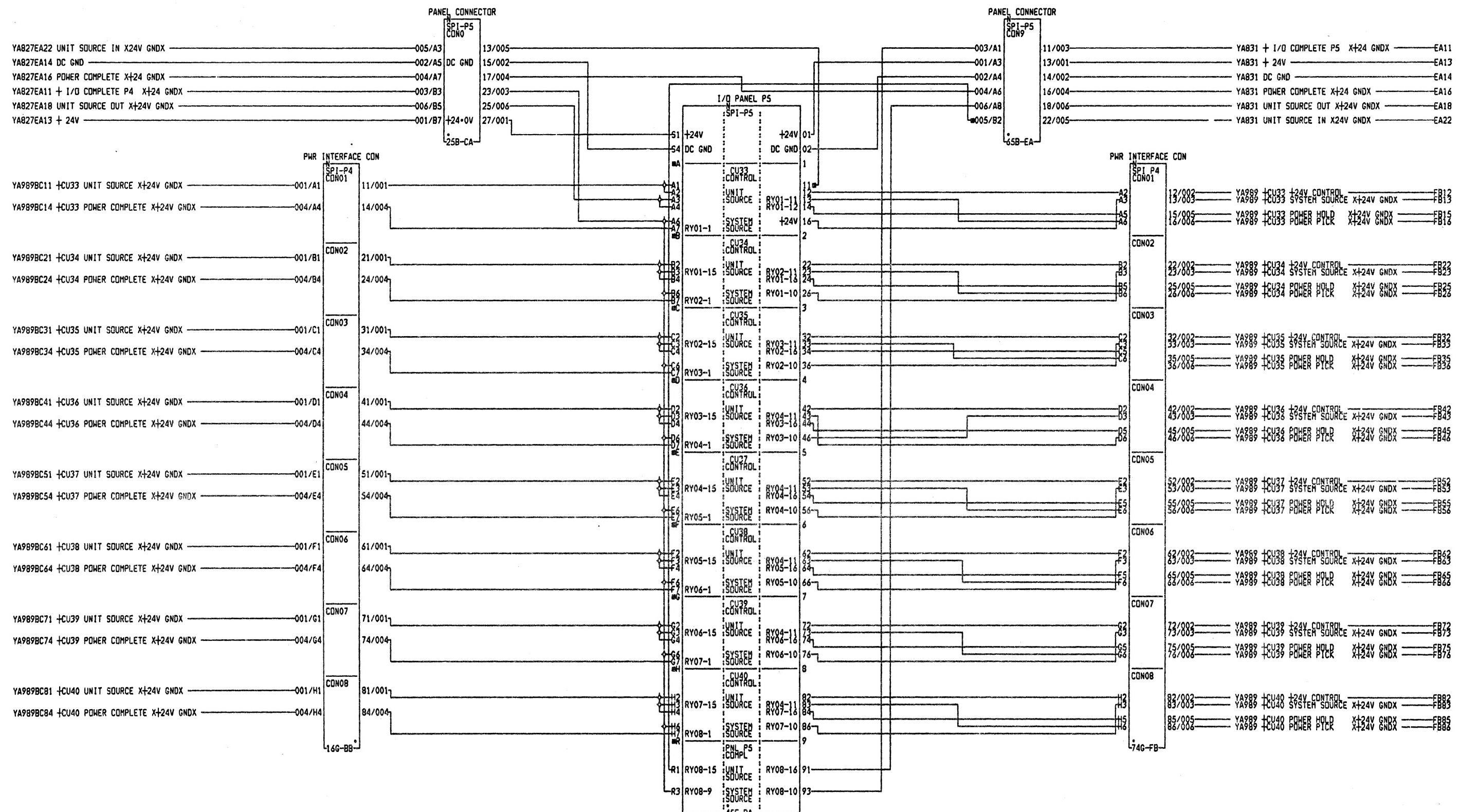
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COMMENTS
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STANDARD POWER INTERFACE<SPI>
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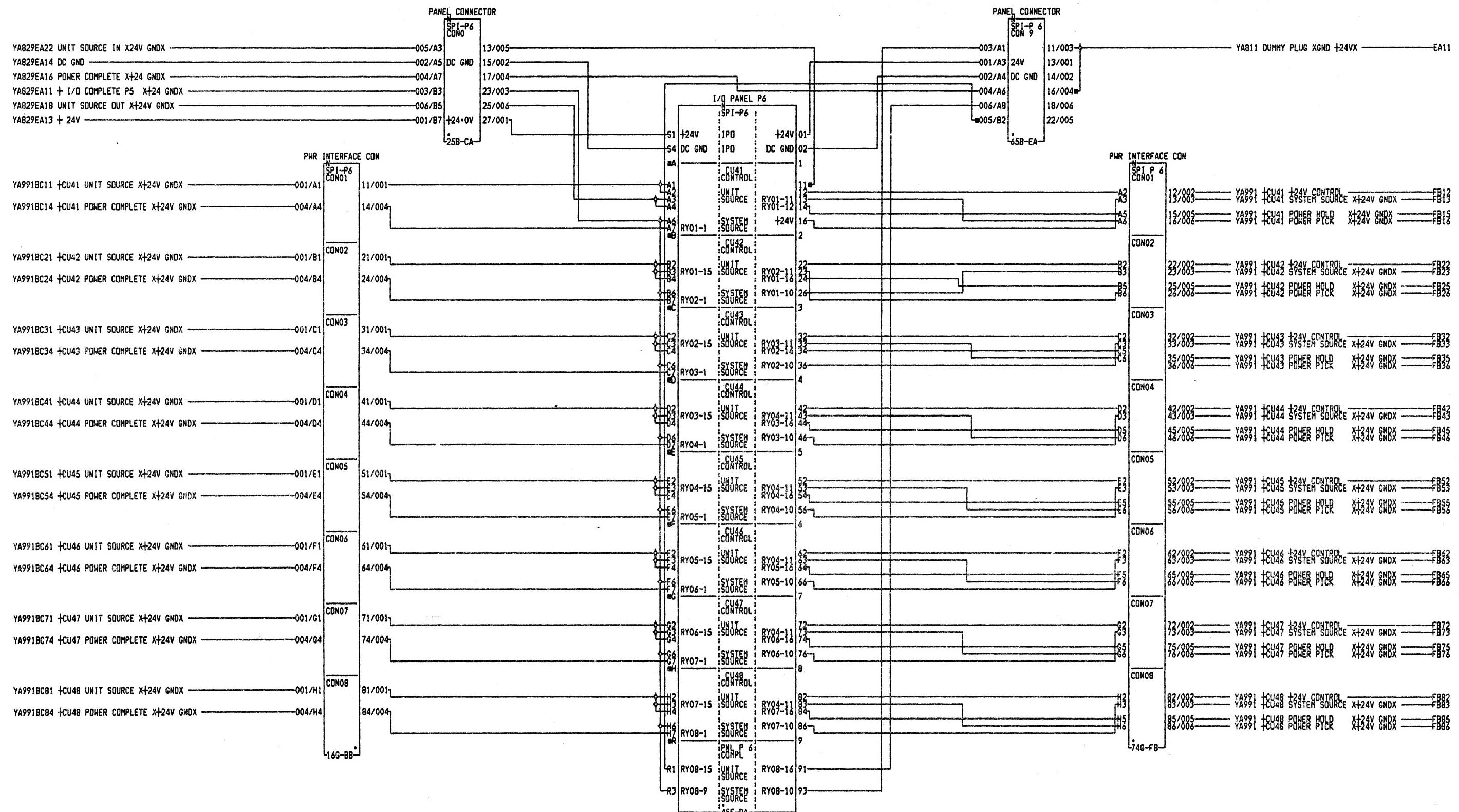


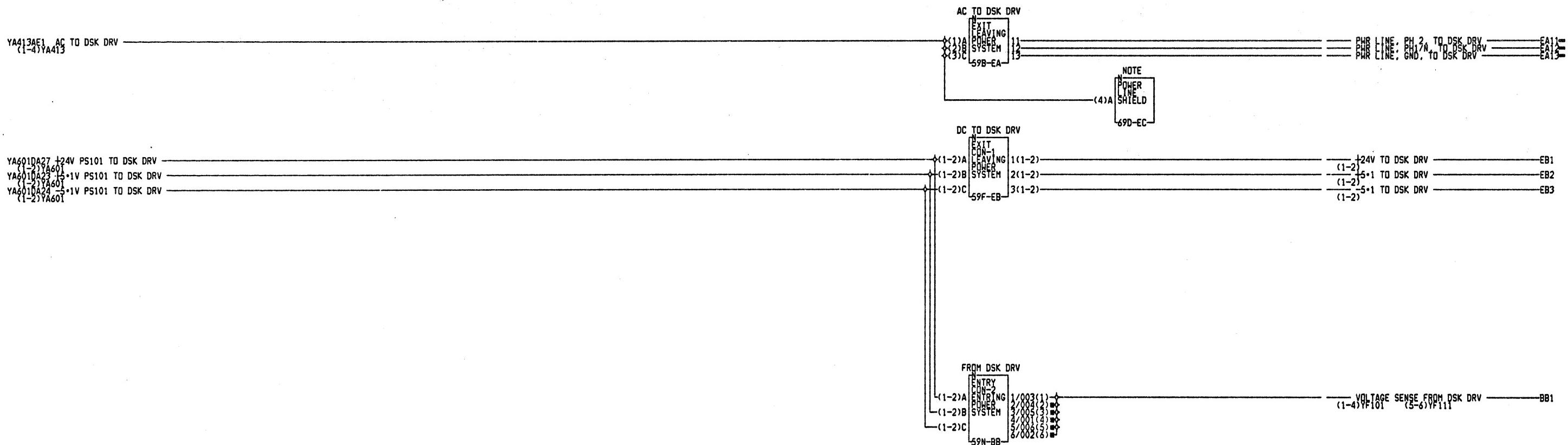
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I/O PANEL P5 CU33 TO CU40

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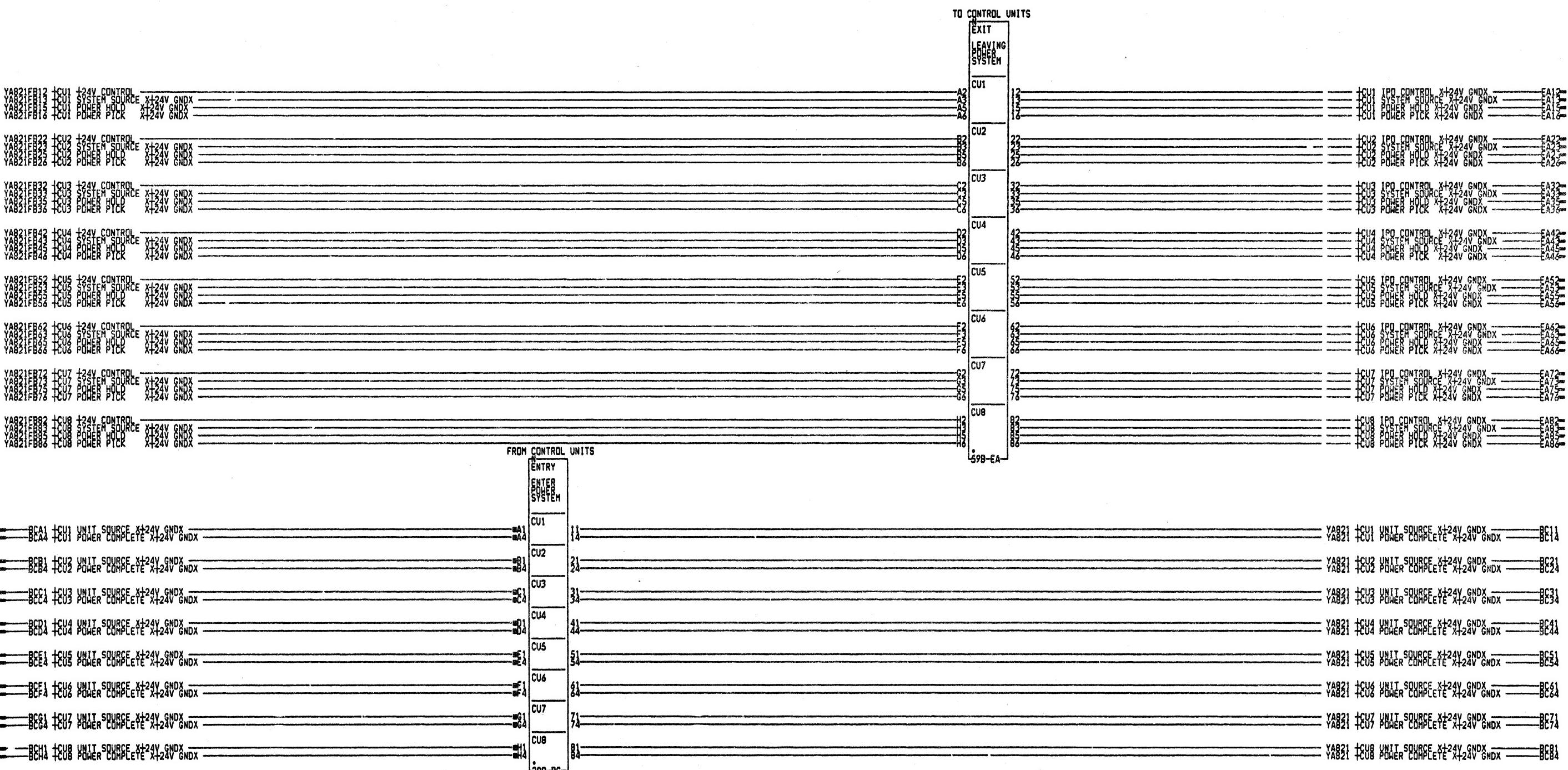


COMMENTS

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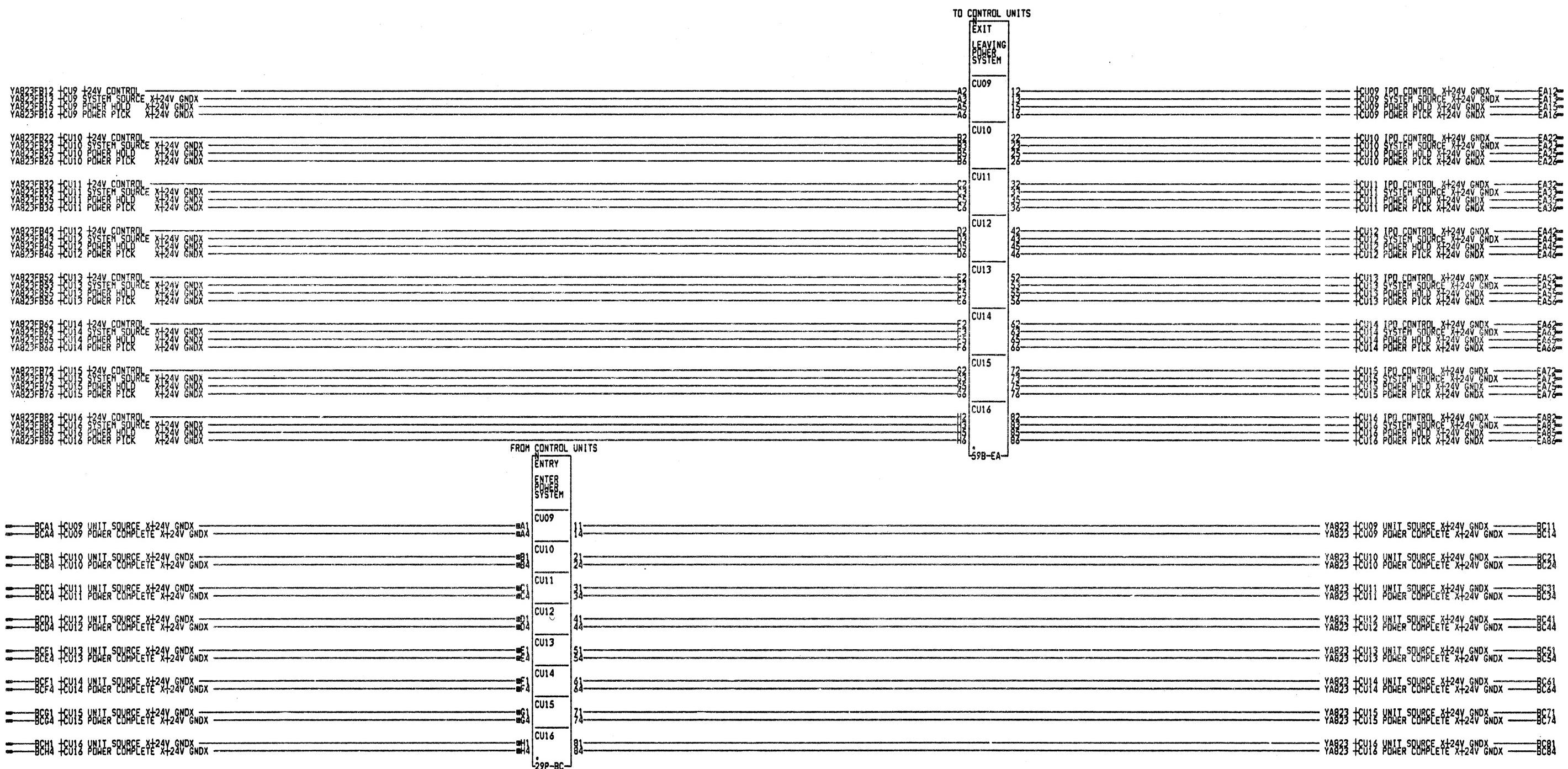
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COMMENTS
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 A2 EC=873593
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INTERFACE PWR TO I/O
CONTROL UNITS 1-8 ON CHANNEL
 LOC= USN 00001 PRI=10OCT80 1608
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 AUC= PFORM=KSEC NEXTBLK EB
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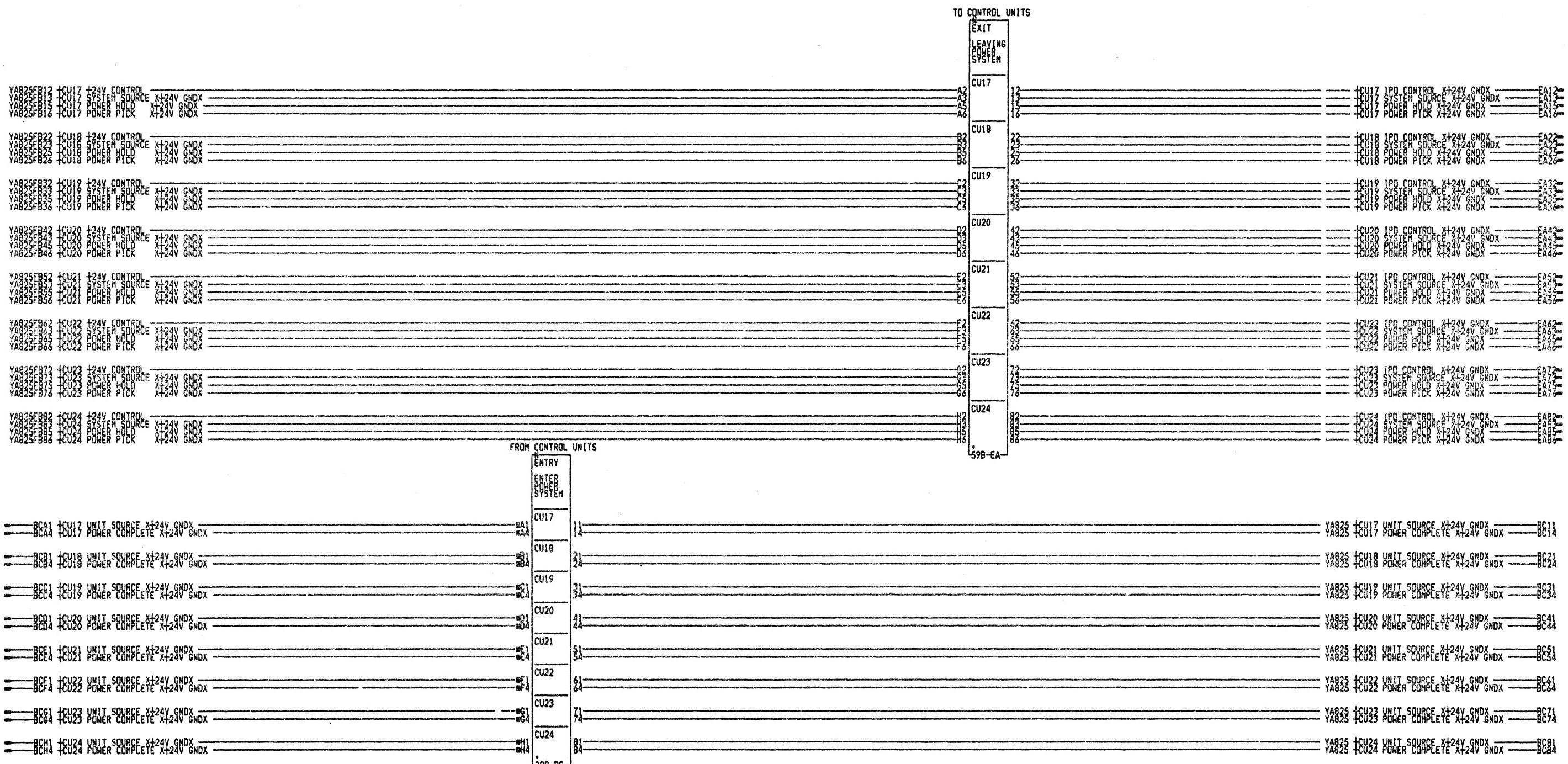
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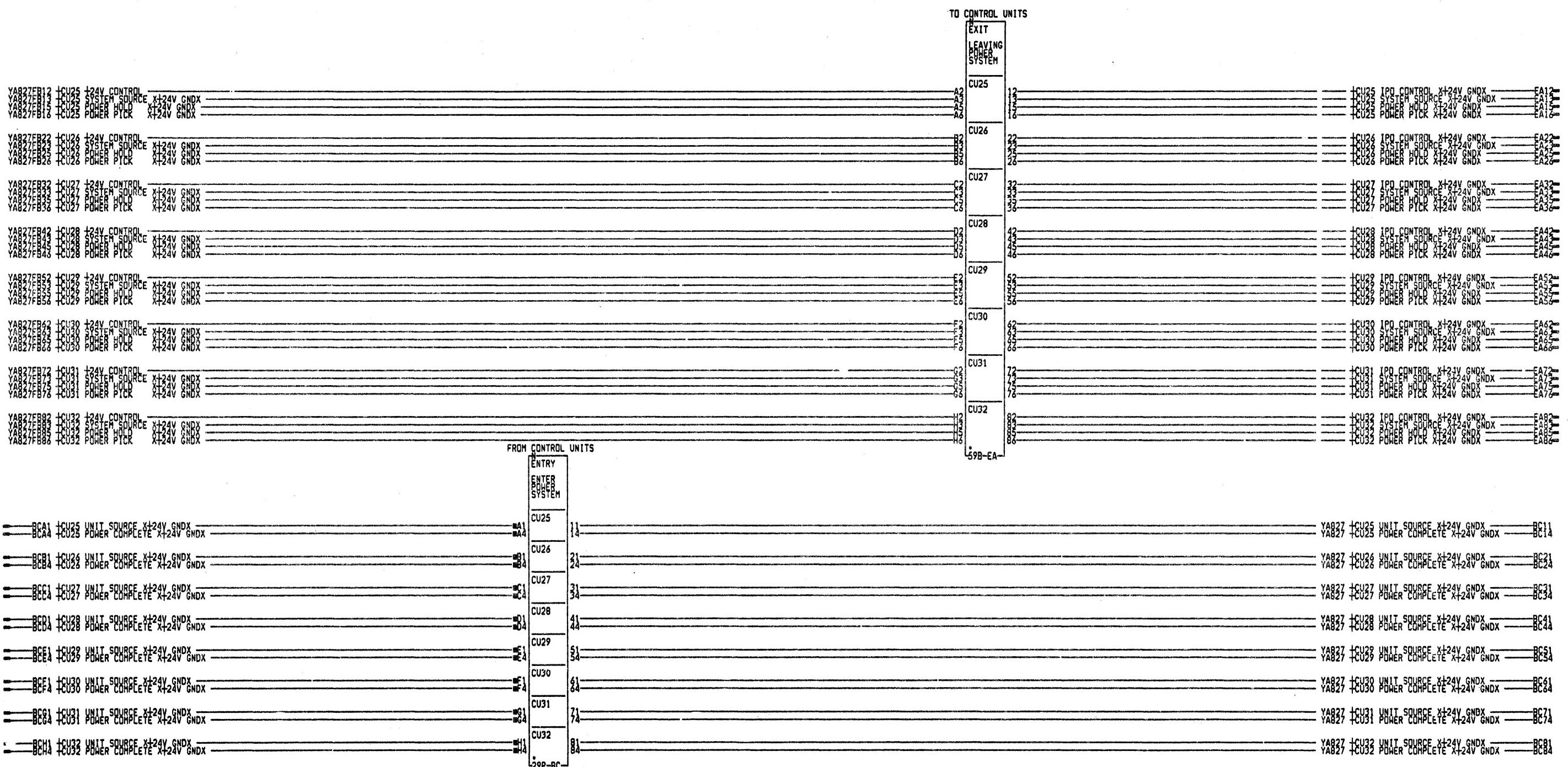
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AUG= PFORM-KSEC SEC=NEXTBLK EB
CID=CIDPWCRN JOB BP&PWCRN
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 CONTROL UNITS 17-24 ON CHANNEL
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 PRI=100CT80 1608
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 CID CIDPWR
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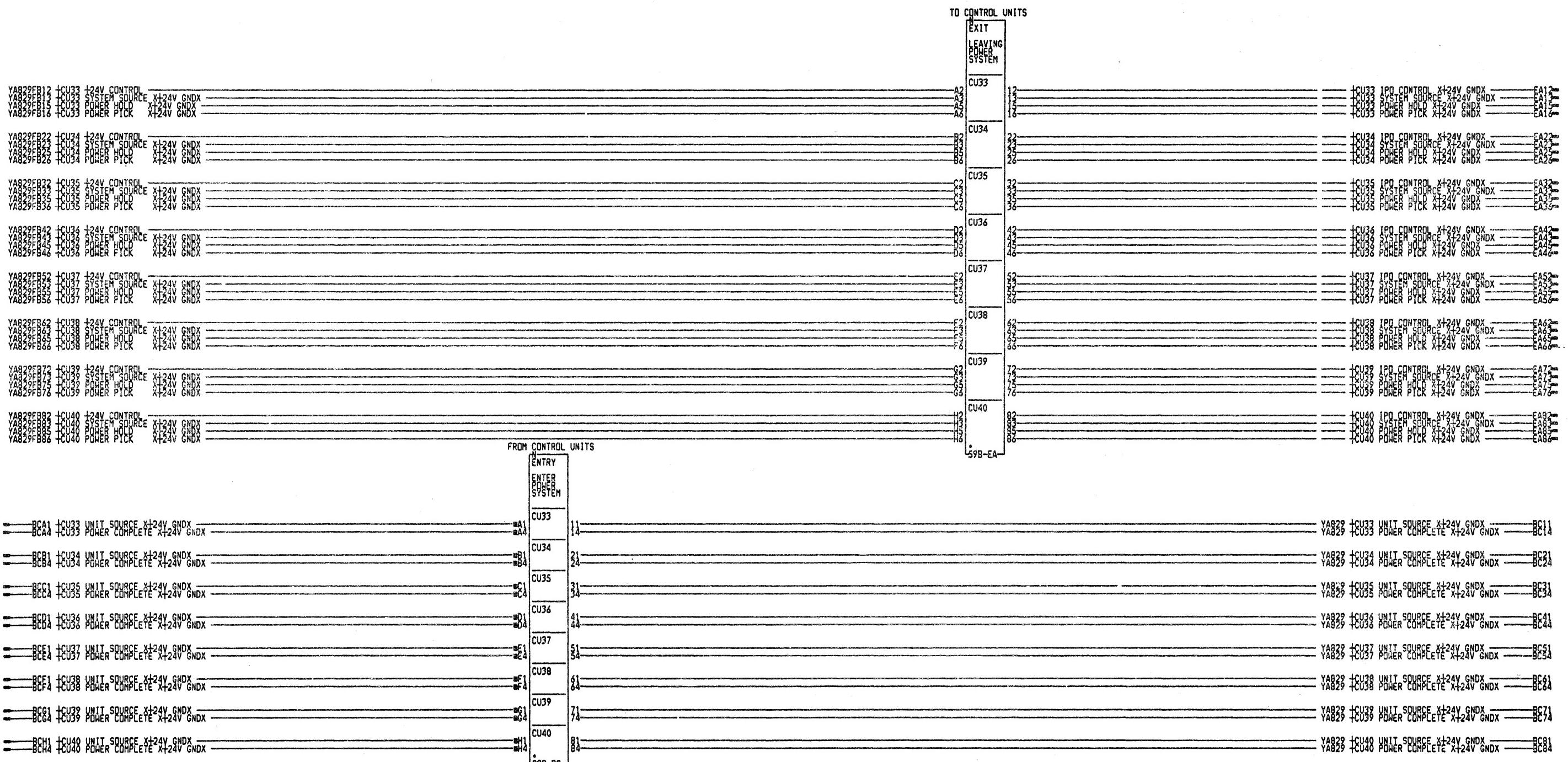


A1 PN=372073
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CONTROL UNITS 25-32 ON CHANNEL

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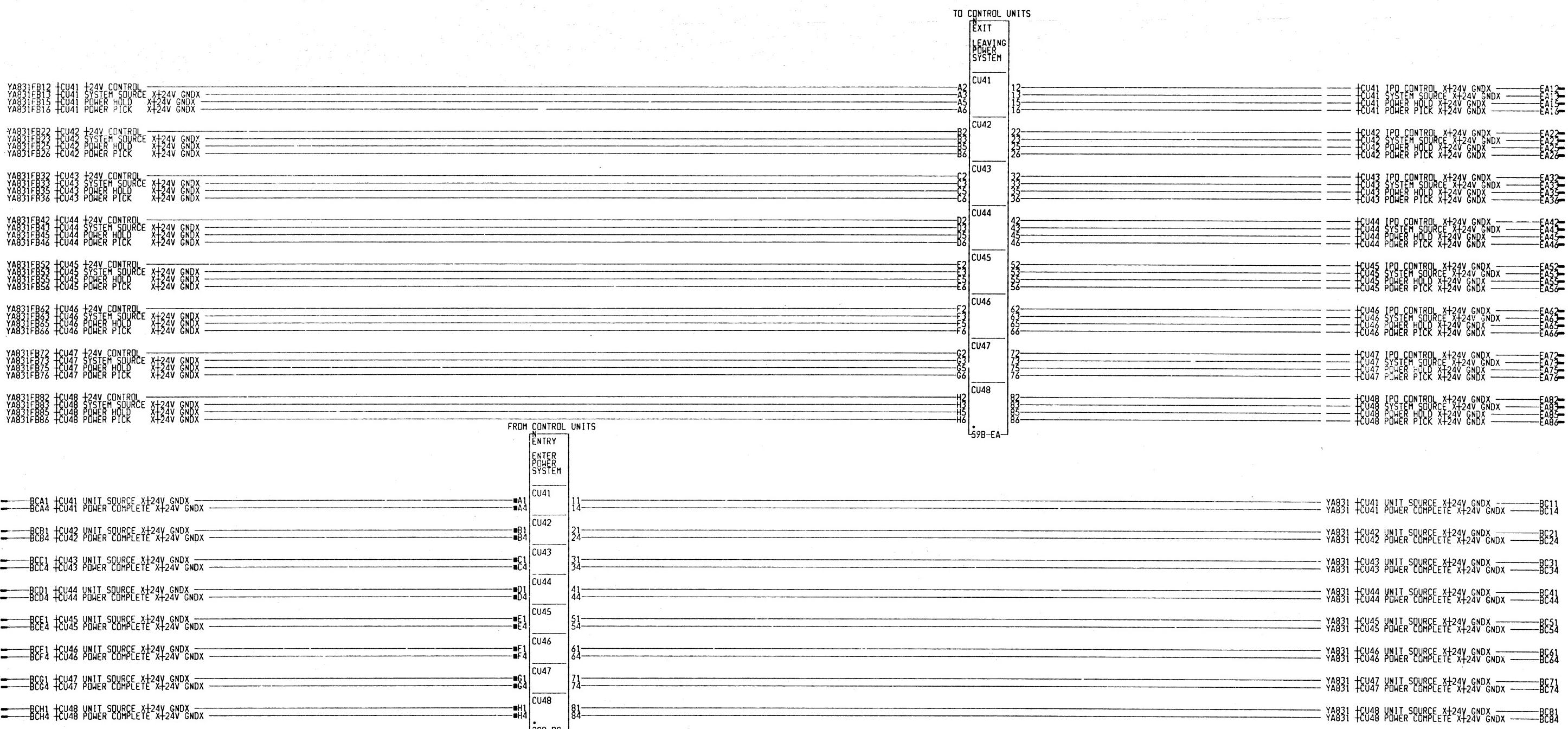
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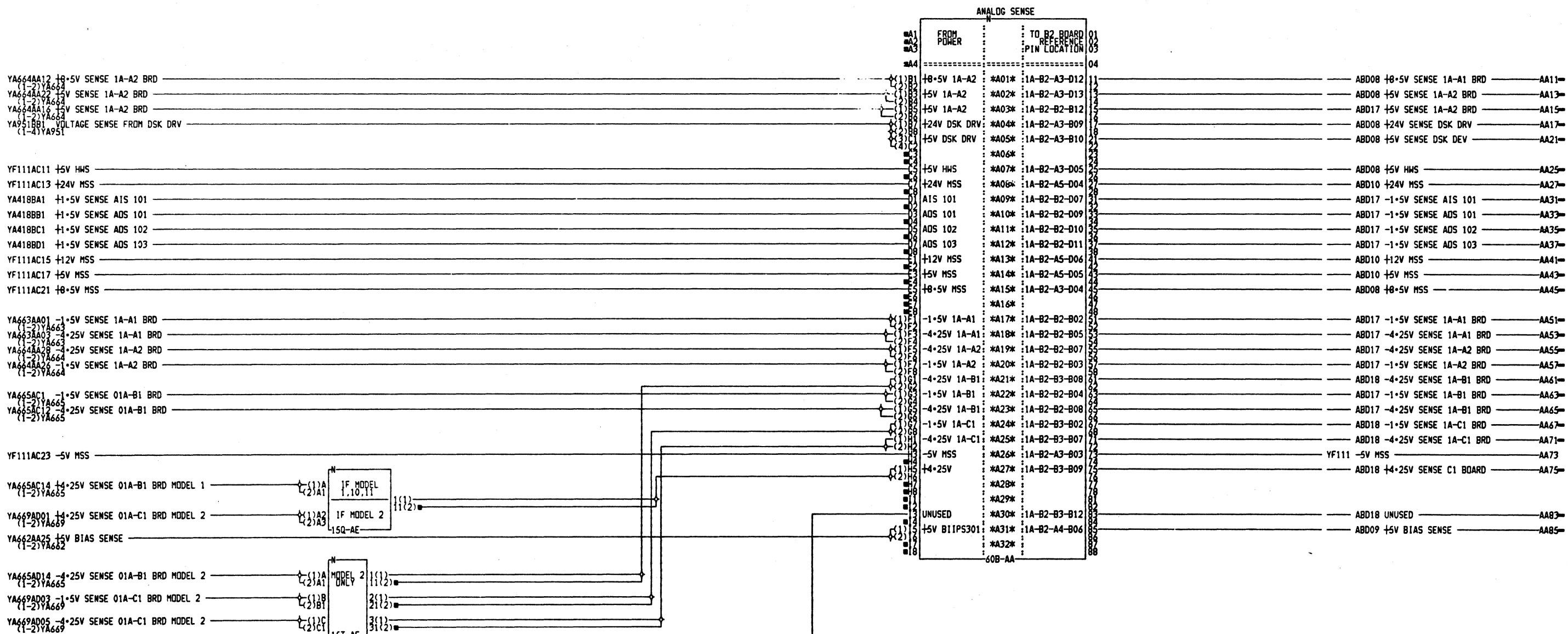
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CONTROL UNITS 33-40 ON CHANNEL

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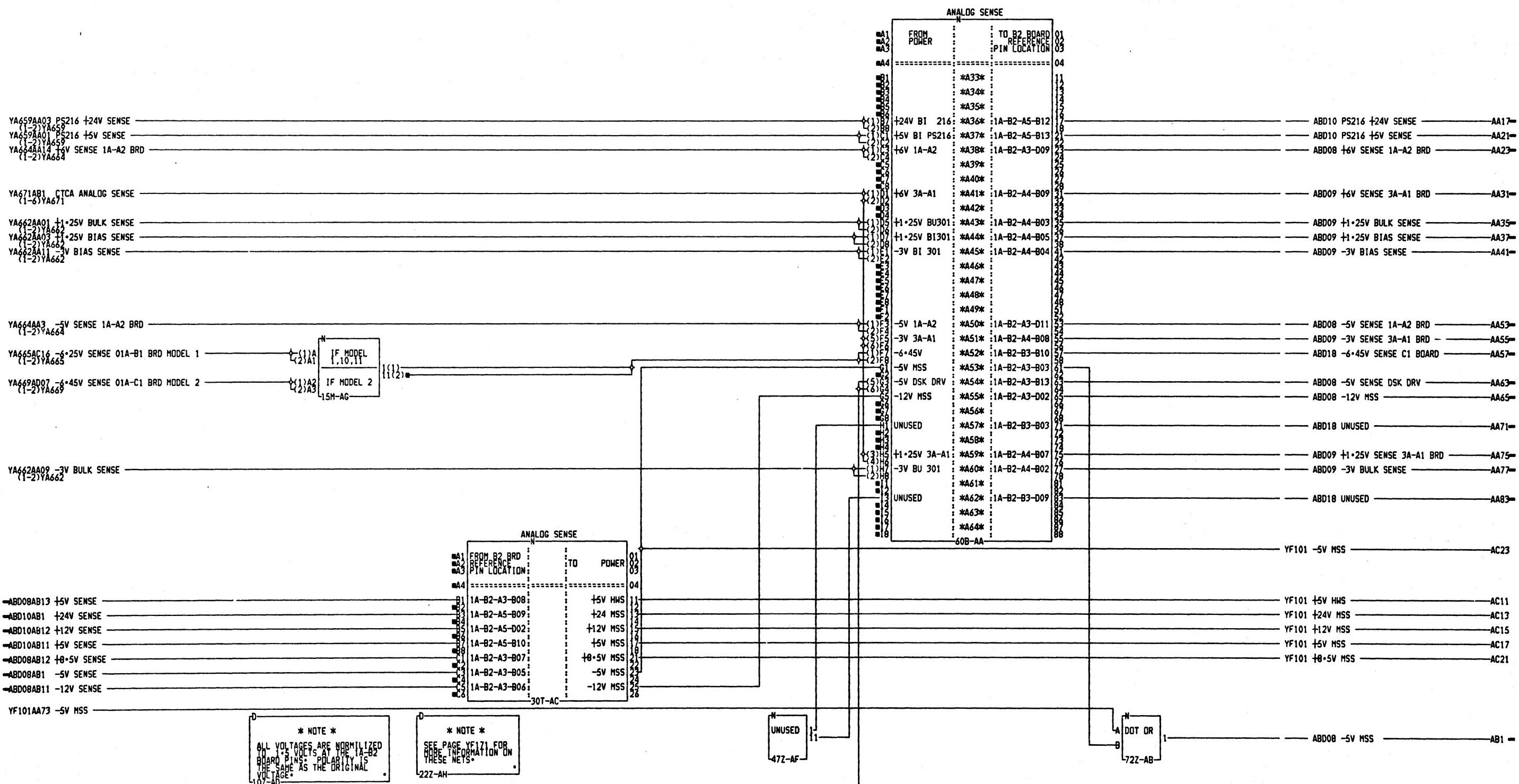
SEE PAGE YF171 FOR
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COMMENTS

A1	PN=37907 EC=3122683 EC=8733596
B1	(C) COPYRIGHT INTERNATIONAL BUSINESS MACHINES CORPORATION 1981

INTERCONNECTIONS
POWER 7 PC

IC=

N 00003 PRI=21DEC81 1333 Y F

IC= SEC NEXTBLK AI 1

DRM=KSEC

D CIDPWR JOB BP\$PWCRX 000

DIGITAL SENSE

A1	FROM POWER		TO B2 BOARD	REFERENCE	01
			PIN LOCATION		02
					03
					04
B1	N/A	*001*	1A-B2-A4-B11		11
	AFS 302	*002*			12
		003			13
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60B-AA

* NOTE *
SEE PAGE YF171 FOR
MORE INFORMATION ON
THESE NETS.

222-AB

COMMENTS

A1 PN=772078
EX-872562
EC-873576

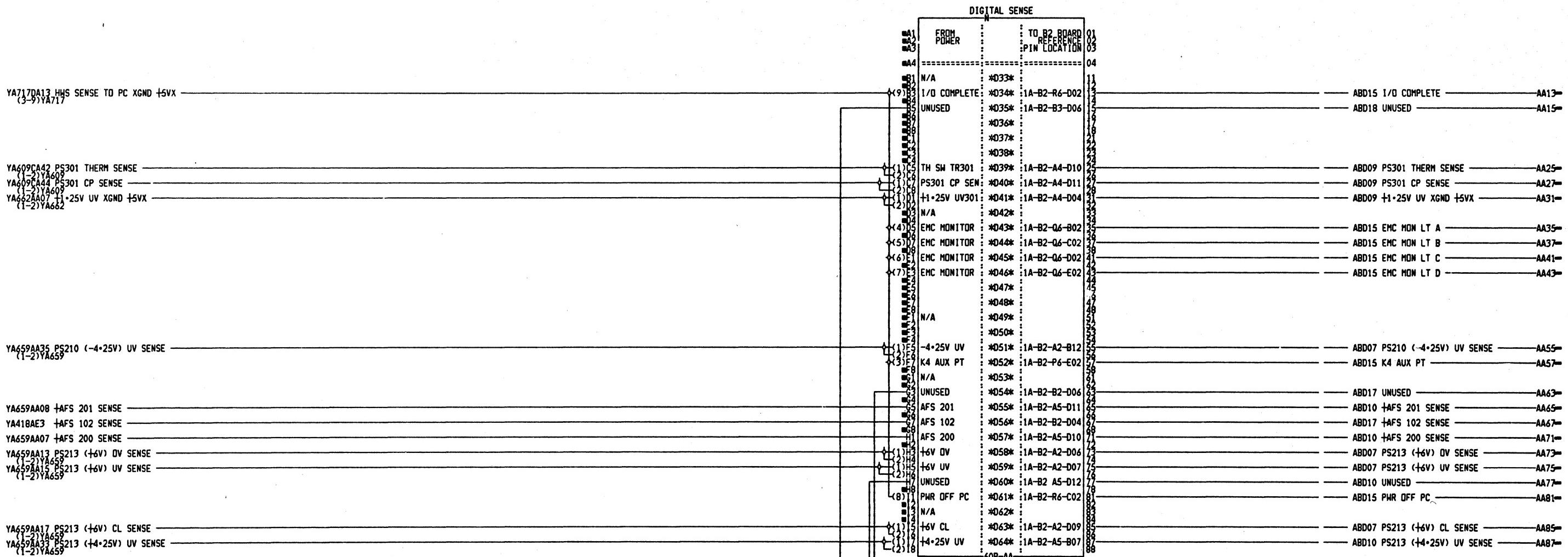
Y1 B1 (C) COPYRIGHT
3 INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1981

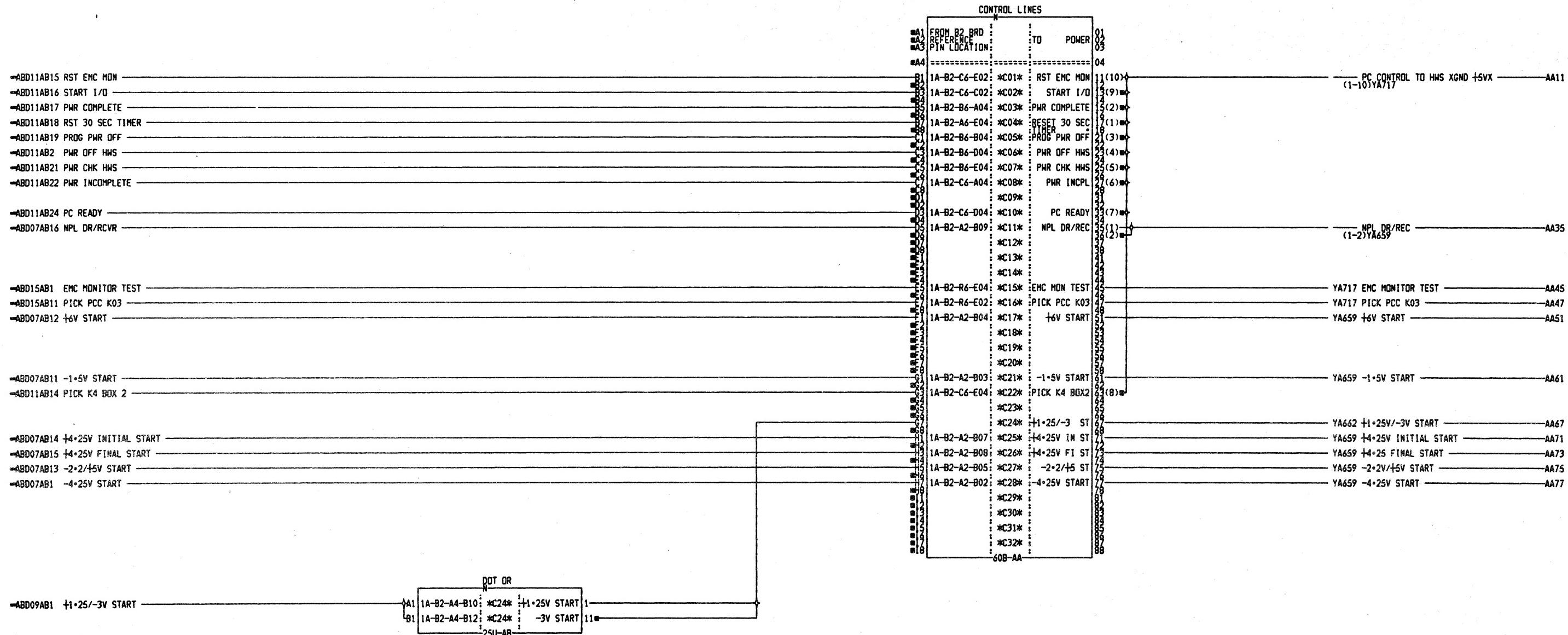
0001

INTERCONNECTIONS
POWER / PC

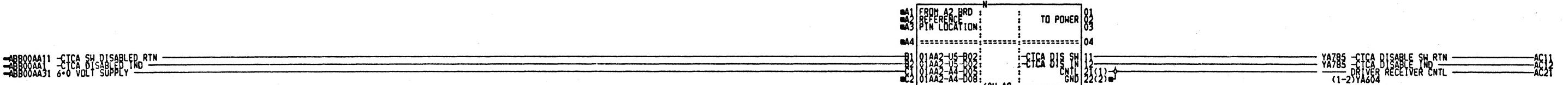
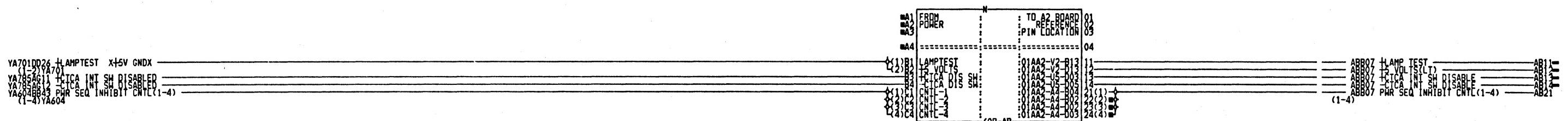
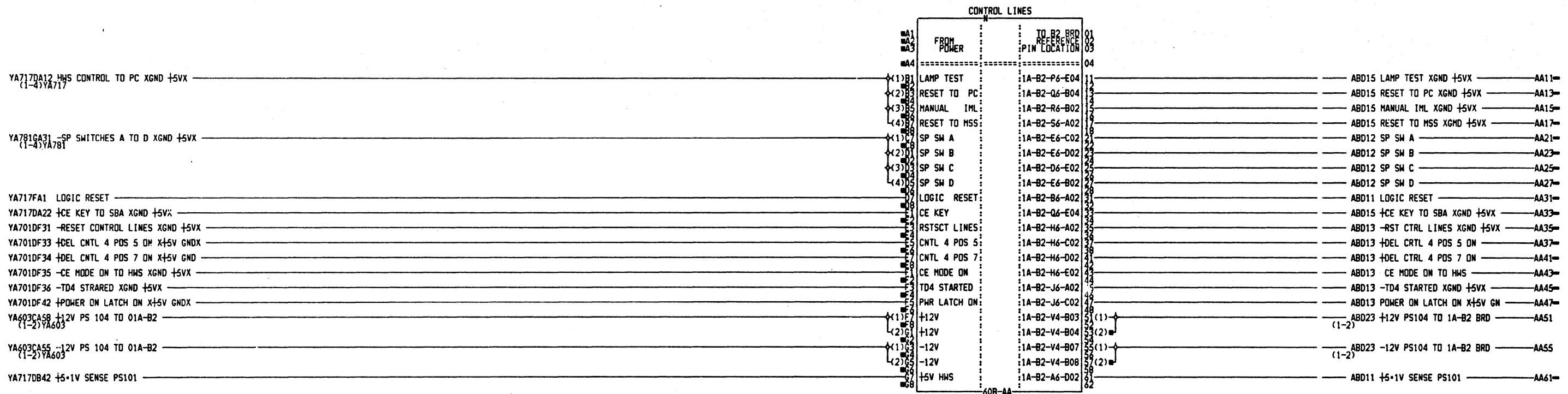
LOC=	USN 00003	PRI=21DEC81 1333
AUC=	PFORM=KSEC	SEC=NEXTBLK AC
CID	CIDPNCR	JOB BP\$PNCRX

0001





CONTROL LINES	
FROM B2 BRD A1 A2 A3 A4	TO POWER 01 02 03 04
A1-A2-B4-A13	*C33k
A1-A2-A4-D12	*C34k
A1-A2-R6-B04	*C35k
A1-A2-R6-C04	
A1-A2-F6-D02	
A1-A2-E6-E02	
A1-A2-F6-B02	
A1-A2-F6-C02	
A1-A2-F6-E02	
A1-A2-G6-A02	
A1-A2-G6-A04	
A1-A2-F6-E04	
A1-A2-A6-D04	
A1-A2-B2-D13	
A1-A2-B3-D13	
A1-A2-A5-D13	
A1-A2-A4-D13	
A1-A2-B2-J6-D02	
A1-A2-A5-D03	
A1-A2-B6-A02	
A1-A2-B6-B02	
A1-A2-C6-B02	
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* NOTE *
SEE PAGE YF171 FOR
MORE INFORMATION ON
THESE NETS.
22Z-AD

COMMENTS

A1	EN=372984
	EX=372984
	EC=873598

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(C) COPYRIGHT
INTERNATIONAL BUSINESS
MACHINES CORPORATION
5 1981

INTERCONNECTIONS
POWER 7 PC

LOC=	USN 00003	PRI=21DEC81 1333
AUC=	PFORM=KSEC	SEC=NEXTBLK AE
CID	CIDPWCR	JOB BP\$PWCRX

0001

REFERENCE ALD AND NET NUMBER	01AB2 PADDLE CARD CABLE CONNECTION	01AB2 PADDLE CARD AND BOARD I/O	01AB2 Y1/O	SENSOR NUMBER
YF101AA11	A2-S06	A2-T12	D2-B07	*A01*
YF101AA13	A2-T13	A2-T13	D2-B10	*A02*
YF101AA15	A2-T14	A2-T13	D2-B02	*A03*
YF101AA17	A2-T14	A2-T09	D2-B03	*A04*
YF101AA21	A2-S09	A2-T10	D2-B02	*A05*
YF101AA31	B2-S11	B2-T07	D2-B08	*A09*
YF101AA33	B2-T13	B2-T09	D2-B11	*A10*
YF101AA35	B2-T13	B2-T10	D2-B14	*A11*
YF101AA37	B2-T14	B2-T09	D2-B14	*A12*
YF101AA39	B2-T08	B2-T02	D2-B09	*A13*
YF101AA41	B2-S04	B2-T02	D2-B09	*A14*
YF101AA43	B2-T01	B2-T03	D2-B09	*A15*
YF101AA45	B2-T01	B2-T03	D2-B09	*A16*
YF101AA47	B2-T01	B2-T03	D2-B09	*A17*
YF101AA49	B2-T01	B2-T03	D2-B09	*A18*
YF101AA51	B2-T01	B2-T03	D2-B09	*A19*
YF101AA53	B2-T01	B2-T03	D2-B09	*A20*
YF101AA55	B2-T01	B2-T03	D2-B09	*A21*
YF101AA57	B2-T01	B2-T03	D2-B09	*A22*
YF101AA59	B2-T01	B2-T03	D2-B09	*A23*

10B-AA

REFERENCE ALD AND NET NUMBER	01AB2 PADDLE CARD CABLE CONNECTION	01AB2 PADDLE CARD AND BOARD I/O	01AB2 Y1/O	SENSOR NUMBER
YF121AA81	A2-D02	A2-D02	D2-H10	*D29*
YF121AA85	A2-D05	A2-D03	D2-P10	*D31*
YF121AA87	A2-D10	A2-D02	D2-H11	*D32*
YF121AA12	Z5-D11	Z5-D02	C2-T06	*D34*
YF121AA15	UNUSED	UNUSED	UNUSED	*D35*
YF121AA25	A4-T13	A4-T10	A4-C06	*D36*
YF121AA31	A4-T13	A4-T10	A4-C06	*D37*
YF121AA39	A4-T03	A4-T03	A4-C06	*D38*
YF121AA41	Z2-T02	Z2-T03	Z4-C03	*D39*
YF121AA43	Z2-T02	Z2-T03	Z4-C03	*D40*
YF121AA45	Z2-T02	Z2-T03	Z4-C03	*D41*
YF121AA47	Z2-T02	Z2-T03	Z4-C03	*D42*
YF121AA49	Z2-T02	Z2-T03	Z4-C03	*D43*
YF121AA51	Z2-T02	Z2-T03	Z4-C03	*D44*
YF121AA53	Z2-T02	Z2-T03	Z4-C03	*D45*
YF121AA55	Z2-T02	Z2-T03	Z4-C03	*D46*
YF121AA57	Z2-T02	Z2-T03	Z4-C03	*D47*
YF121AA59	Z2-T02	Z2-T03	Z4-C03	*D48*
YF121AA63	Z2-T02	Z2-T03	Z4-C03	*D49*
YF121AA65	Z2-T02	Z2-T03	Z4-C03	*D50*
YF121AA67	Z2-T02	Z2-T03	Z4-C03	*D51*
YF121AA75	Z2-T02	Z2-T03	Z4-C03	*D52*
YF121AA77	Z2-T02	Z2-T03	Z4-C03	*D53*

10H-AD

REFERENCE ALD AND NET NUMBER	01AB2 PADDLE CARD CABLE CONNECTION	01AB2 PADDLE CARD AND BOARD I/O	01AB2 Y1/O	SENSOR NUMBER
YF151AA57(7)	A5-T09	A5-D03	B2-D03	
YF151AA58	Z2-T03	Z2-E14	Z2-X16	
YF151AA59	Z2-T03	Z2-E13	Z2-X16	
YF151AA60	Z2-T03	Z2-E13	Z2-X16	
YF151AA61	Z2-T03	Z2-E13	Z2-X16	
YF151AA62	Z2-T03	Z2-E13	Z2-X16	
YF151AA63	Z2-T03	Z2-E13	Z2-X16	
YF151AA64	Z2-T03	Z2-E13	Z2-X16	
YF151AA65	Z2-T03	Z2-E13	Z2-X16	
YF151AA66	Z2-T03	Z2-E13	Z2-X16	
YF151AA67	Z2-T03	Z2-E13	Z2-X16	
YF151AA68	Z2-T03	Z2-E13	Z2-X16	
YF151AA69	Z2-T03	Z2-E13	Z2-X16	
YF151AA70	Z2-T03	Z2-E13	Z2-X16	
YF151AA71	Z2-T03	Z2-E13	Z2-X16	
YF151AA72	Z2-T03	Z2-E13	Z2-X16	
YF151AA73	Z2-T03	Z2-E13	Z2-X16	
YF151AA74	Z2-T03	Z2-E13	Z2-X16	
YF151AA75	Z2-T03	Z2-E13	Z2-X16	
YF151AA76	Z2-T03	Z2-E13	Z2-X16	
YF151AA77	Z2-T03	Z2-E13	Z2-X16	
YF151AA78	Z2-T03	Z2-E13	Z2-X16	
YF151AA79	Z2-T03	Z2-E13	Z2-X16	
YF151AA80	Z2-T03	Z2-E13	Z2-X16	
YF151AA81	Z2-T03	Z2-E13	Z2-X16	
YF151AA82	Z2-T03	Z2-E13	Z2-X16	
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YF151AA101	Z2-T03	Z2-E13	Z2-X16	
YF151AA102	Z2-T03	Z2-E13	Z2-X16	
YF151AA103	Z2-T03	Z2-E13	Z2-X16	
YF151AA104	Z2-T03	Z2-E13	Z2-X16	
YF151AA105	Z2-T03	Z2-E13	Z2-X16	
YF151AA106	Z2-T03	Z2-E13	Z2-X16	
YF151AA107	Z2-T03	Z2-E13	Z2-X16	
YF151AA108	Z2-T03	Z2-E13	Z2-X16	
YF151AA109	Z2-T03	Z2-E13	Z2-X16	
YF151AA110	Z2-T03	Z2-E13	Z2-X16	
YF151AA111	Z2-T03	Z2-E13	Z2-X16	
YF151AA112	Z2-T03	Z2-E13	Z2-X16	
YF151AA113	Z2-T03	Z2-E13	Z2-X16	
YF151AA114	Z2-T03	Z2-E13	Z2-X16	
YF151AA115	Z2-T03	Z2-E13	Z2-X16	
YF151AA116	Z2-T03	Z2-E13	Z2-X16	
YF151AA117	Z2-T03	Z2-E13	Z2-X16	
YF151AA118	Z2-T03	Z2-E13	Z2-X16	
YF151AA119	Z2-T03	Z2-E13	Z2-X16	
YF151AA120	Z2-T03	Z2-E13	Z2-X16	
YF151AA121	Z2-T03	Z2-E13	Z2-X16	
YF151AA122	Z2-T03	Z2-E13	Z2-X16	
YF151AA123	Z2-T03	Z2-E13	Z2-X16	
YF151AA124	Z2-T03	Z2-E13	Z2-X16	
YF151AA125	Z2-T03	Z2-E13	Z2-X16	
YF151AA126	Z2-T03	Z2-E13	Z2-X16	
YF151AA127	Z2-T03	Z2-E13	Z2-X16	
YF151AA128	Z2-T03	Z2-E13	Z2-X16	
YF151AA129	Z2-T03	Z2-E13	Z2-X16	
YF151AA130	Z2-T03	Z2-E13	Z2-X16	
YF151AA131	Z2-T03	Z2-E13	Z2-X16	
YF151AA132	Z2-T03	Z2-E13	Z2-X16	
YF151AA133	Z2-T03	Z2-E13	Z2-X16	
YF151AA134	Z2-T03	Z2-E13	Z2-X16	
YF151AA135	Z2-T03	Z2-E13	Z2-X16	
YF151AA136	Z2-T03	Z2-E13	Z2-X16	
YF151AA137	Z2-T03	Z2-E13	Z2-X16	
YF151AA138	Z2-T03	Z2-E13	Z2-X16	
YF151AA139	Z2-T03	Z2-E13	Z2-X16	
YF151AA140	Z2-T03	Z2-E13	Z2-X16	
YF151AA141	Z2-T03	Z2-E13	Z2-X16	
YF151AA142	Z2-T03	Z2-E13	Z2-X16	
YF151AA143	Z2-T03	Z2-E13	Z2-X16	
YF151AA144	Z2-T03	Z2-E13	Z2-X16	
YF151AA145	Z2-T03	Z2-E13	Z2-X16	
YF151AA146	Z2			